API Reference

AWS Deadline Cloud

API Version 2023-10-12

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AWS Deadline Cloud: API Reference

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Welcome

The AWS Deadline Cloud API provides infrastructure and centralized management for your projects. Use the Deadline Cloud API to onboard users, assign projects, and attach permissions specific to their job function.

With Deadline Cloud, content production teams can deploy resources for their workforce securely in the cloud, reducing the costs of added physical infrastructure. Keep your content production operations secure, while allowing your contributors to access the tools they need, such as scalable high-speed storage, licenses, and cost management services.

This document was last published on September 18, 2026.

Actions

The following actions are supported:

- AssociateMemberToFarm
- AssociateMemberToFleet
- AssociateMemberToJob
- AssociateMemberToQueue
- AssumeFleetRoleForRead
- AssumeFleetRoleForWorker
- AssumeQueueRoleForRead
- AssumeQueueRoleForUser
- AssumeQueueRoleForWorker
- BatchGetJob
- BatchGetJobEntity
- BatchGetSession
- BatchGetSessionAction
- BatchGetStep
- BatchGetTask
- BatchGetWorker
- BatchUpdateJob
- BatchUpdateTask
- CopyJobTemplate
- CreateBudget
- CreateFarm
- CreateFleet
- CreateJob
- CreateLicenseEndpoint
- CreateLimit
- CreateMonitor
- CreateQueue

- CreateQueueEnvironment
- CreateQueueFleetAssociation
- CreateQueueLimitAssociation
- CreateStorageProfile
- CreateWorker
- DeleteBudget
- DeleteFarm
- DeleteFleet
- DeleteLicenseEndpoint
- DeleteLimit
- DeleteMeteredProduct
- DeleteMonitor
- DeleteQueue
- DeleteQueueEnvironment
- DeleteQueueFleetAssociation
- DeleteQueueLimitAssociation
- DeleteStorageProfile
- DeleteVolume
- DeleteWorker
- DisassociateMemberFromFarm
- DisassociateMemberFromFleet
- DisassociateMemberFromJob
- DisassociateMemberFromQueue
- GetBudget
- GetFarm
- GetFleet
- GetJob
- GetLicenseEndpoint
- GetLimit
- GetMonitor

- GetMonitorSettings
- GetQueue
- GetQueueEnvironment
- GetQueueFleetAssociation
- GetQueueLimitAssociation
- GetSession
- GetSessionAction
- GetSessionsStatisticsAggregation
- GetStep
- GetStorageProfile
- GetStorageProfileForQueue
- GetTask
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- ListFarms
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- ListJobs
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- ListMonitors
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- ListQueueFleetAssociations
- ListQueueLimitAssociations

- ListQueueMembers
- ListQueues
- ListSessionActions
- ListSessions
- ListSessionsForWorker
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- ListStepDependencies
- ListSteps
- ListStorageProfiles
- ListStorageProfilesForQueue
- ListTagsForResource
- ListTasks
- ListVolumes
- ListWorkers
- PutMeteredProduct
- SearchJobs
- SearchSteps
- SearchTasks
- SearchWorkers
- StartSessionsStatisticsAggregation
- TagResource
- UntagResource
- UpdateBudget
- UpdateFarm
- UpdateFleet
- UpdateJob
- UpdateLimit
- UpdateMonitor
- UpdateMonitorSettings
- UpdateQueue

- UpdateQueueEnvironment
- UpdateQueueFleetAssociation
- UpdateQueueLimitAssociation
- UpdateSession
- UpdateStep
- UpdateStorageProfile
- UpdateTask
- UpdateWorker
- UpdateWorkerSchedule

AssociateMemberToFarm

Assigns a farm membership level to a member.

Request Syntax

```
PUT /2023-10-12/farms/farmId/members/principalId HTTP/1.1
Content-type: application/json

{
   "identityCenterRegion": "string",
   "identityStoreId": "string",
   "membershipLevel": "string",
   "principalType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The ID of the farm to associate with the member.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

principalId

The member's principal ID to associate with the farm.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

identityCenterRegion

The Region of the IAM Identity Center instance. If not provided, the service defaults to the Region of the farm.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[a-z0-9-]+`

Required: No

identityStoreId

The identity store ID of the member to associate with the farm.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `d-[0-9a-f]{10}$|^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

membershipLevel

The principal's membership level for the associated farm.

Type: String

Valid Values: `VIEWER | CONTRIBUTOR | OWNER | MANAGER`

Required: Yes

principalType

The principal type of the member to associate with the farm.

Type: String

Valid Values: `USER | GROUP`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AssociateMemberToFleet

Assigns a fleet membership level to a member.

Request Syntax

```
PUT /2023-10-12/farms/farmId/fleets/fleetId/members/principalId HTTP/1.1
Content-type: application/json

{
   "identityCenterRegion": "string",
   "identityStoreId": "string",
   "membershipLevel": "string",
   "principalType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the fleet to associate with the member.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The ID of the fleet to associate with a member.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

principalId

The member's principal ID to associate with a fleet.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

identityCenterRegion

The Region of the IAM Identity Center instance. If not provided, the service defaults to the Region of the farm.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[a-z0-9-]+`

Required: No

identityStoreId

The member's identity store ID to associate with the fleet.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `d-[0-9a-f]{10}$|^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

membershipLevel

The principal's membership level for the associated fleet.

Type: String

Valid Values: `VIEWER | CONTRIBUTOR | OWNER | MANAGER`

Required: Yes

principalType

The member's principal type to associate with the fleet.

Type: String

Valid Values: USER | GROUP

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AssociateMemberToJob

Assigns a job membership level to a member

Request Syntax

```
PUT /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/members/principalId HTTP/1.1
Content-type: application/json

{
   "identityCenterRegion": "string",
   "identityStoreId": "string",
   "membershipLevel": "string",
   "principalType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the job to associate with the member.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to associate with the member.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

principalId

The member's principal ID to associate with the job.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

queueId

The queue ID to associate to the member.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

identityCenterRegion

The Region of the IAM Identity Center instance. If not provided, the service defaults to the Region of the farm.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[a-z0-9-]+`

Required: No

identityStoreId

The member's identity store ID to associate with the job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `d-[0-9a-f]{10}$|^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

membershipLevel

The principal's membership level for the associated job.

Type: String

Valid Values: `VIEWER | CONTRIBUTOR | OWNER | MANAGER`

Required: Yes

principalType

The member's principal type to associate with the job.

Type: String

Valid Values: `USER | GROUP`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AssociateMemberToQueue

Assigns a queue membership level to a member

Request Syntax

```
PUT /2023-10-12/farms/farmId/queues/queueId/members/principalId HTTP/1.1
Content-type: application/json

{
   "identityCenterRegion": "string",
   "identityStoreId": "string",
   "membershipLevel": "string",
   "principalType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the queue to associate with the member.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

principalId

The member's principal ID to associate with the queue.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

queueId

The ID of the queue to associate to the member.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

identityCenterRegion

The Region of the IAM Identity Center instance. If not provided, the service defaults to the Region of the farm.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[a-z0-9-]+`

Required: No

identityStoreId

The member's identity store ID to associate with the queue.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `d-[0-9a-f]{10}$|^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

membershipLevel

The principal's membership level for the associated queue.

Type: String

Valid Values: `VIEWER | CONTRIBUTOR | OWNER | MANAGER`

Required: Yes

principalType

The member's principal type to associate with the queue.

Type: String

Valid Values: USER | GROUP

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AssumeFleetRoleForRead

Get AWS credentials from the fleet role. The IAM permissions of the credentials are scoped down to have read-only access.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId/read-roles HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the fleet's farm.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "credentials": {
      "accessKeyId": "string",
```

```
      "expiration": "string",
      "secretAccessKey": "string",
      "sessionToken": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

credentials

The credentials for the fleet role.

Type: AwsCredentials object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AssumeFleetRoleForWorker

Get credentials from the fleet role for a worker.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId/workers/workerId/fleet-roles HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the fleet's farm.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID that contains the worker.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

workerId

The ID of the worker assuming the fleet role.

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "credentials": {
      "accessKeyId": "string",
      "expiration": "string",
      "secretAccessKey": "string",
      "sessionToken": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

credentials

The credentials for the worker.

Type: AwsCredentials object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AssumeQueueRoleForRead

Gets AWS credentials from the queue role. The IAM permissions of the credentials are scoped down to have read-only access.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/read-roles HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm containing the queue.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "credentials": {
      "accessKeyId": "string",
```

```
      "expiration": "string",
      "secretAccessKey": "string",
      "sessionToken": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

credentials

The credentials for the queue role.

Type: AwsCredentials object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AssumeQueueRoleForUser

Allows a user to assume a role for a queue.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/user-roles HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the queue that the user assumes the role for.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the queue that the user assumes the role for.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "credentials": {
      "accessKeyId": "string",
      "expiration": "string",
```

```
        "secretAccessKey": "string",
        "sessionToken": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

credentials

The credentials for the queue role that a user has access to.

Type: AwsCredentials object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

AssumeQueueRoleForWorker

Allows a worker to assume a queue role.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId/workers/workerId/queue-roles?
queueId=queueId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the worker assuming the queue role.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the worker assuming the queue role.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the worker assuming the queue role.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

workerId

The worker ID of the worker assuming the queue role.

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "credentials": {
      "accessKeyId": "string",
      "expiration": "string",
      "secretAccessKey": "string",
      "sessionToken": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

credentials

The AWS credentials for the role that the worker is assuming.

Type: AwsCredentials object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetJob

Retrieves multiple jobs in a single request. This is a batch version of the `GetJob` API.

The result of getting each job is reported individually in the response. Because the batch request can result in a combination of successful and unsuccessful actions, you should check for batch errors even when the call returns an HTTP status code of 200.

Request Syntax

```
POST /2023-10-12/batch-get-job HTTP/1.1
Content-type: application/json

{
   "identifiers": [
      {
         "farmId": "string",
         "jobId": "string",
         "queueId": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

identifiers

The list of job identifiers to retrieve. You can specify up to 100 identifiers per request.

Type: Array of BatchGetJobIdentifier objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "errors": [
      {
         "code": "string",
         "farmId": "string",
         "jobId": "string",
         "message": "string",
         "queueId": "string"
      }
   ],
   "jobs": [
      {
         "attachments": {
            "fileSystem": "string",
            "manifests": [
               {
                  "fileSystemLocationName": "string",
                  "inputManifestHash": "string",
                  "inputManifestPath": "string",
                  "outputRelativeDirectories": [ "string" ],
                  "rootPath": "string",
                  "rootPathFormat": "string"
               }
            ]
         },
         "createdAt": "string",
         "createdBy": "string",
         "description": "string",
         "endedAt": "string",
         "farmId": "string",
         "jobId": "string",
         "lifecycleStatus": "string",
         "lifecycleStatusMessage": "string",
         "maxFailedTasksCount": number,
         "maxRetriesPerTask": number,
         "maxWorkerCount": number,
         "name": "string",
         "parameters": {
```

```
            "string" : { ... }
         },
         "priority": number,
         "queueId": "string",
         "sourceJobId": "string",
         "startedAt": "string",
         "storageProfileId": "string",
         "targetTaskRunStatus": "string",
         "taskFailureRetryCount": number,
         "taskRunStatus": "string",
         "taskRunStatusCounts": {
            "string" : number
         },
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

errors

A list of errors for jobs that could not be retrieved.

Type: Array of BatchGetJobError objects

jobs

A list of jobs that were successfully retrieved.

Type: Array of BatchGetJobItem objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetJobEntity

Get batched job details for a worker.

Request Syntax

```
POST /2023-10-12/farms/farmId/fleets/fleetId/workers/workerId/batchGetJobEntity
 HTTP/1.1
Content-type: application/json

{
   "identifiers": [
      { ... }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the worker that's fetching job details. The worker must have an assignment on a job to fetch job details.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the worker that's fetching job details. The worker must have an assignment on a job to fetch job details.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

workerId

The worker ID of the worker containing the job details to get.

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

identifiers

The job identifiers to include within the job entity batch details.

Type: Array of JobEntityIdentifiersUnion objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "entities": [
      { ... }
   ],
   "errors": [
      { ... }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

entities

A list of the job entities, or details, in the batch.

Type: Array of JobEntity objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

errors

A list of errors from the job error logs for the batch.

Type: Array of GetJobEntityError objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetSession

Retrieves multiple sessions in a single request. This is a batch version of the `GetSession` API.

The result of getting each session is reported individually in the response. Because the batch request can result in a combination of successful and unsuccessful actions, you should check for batch errors even when the call returns an HTTP status code of 200.

Request Syntax

```
POST /2023-10-12/batch-get-session HTTP/1.1
Content-type: application/json

{
   "identifiers": [
      {
         "farmId": "string",
         "jobId": "string",
         "queueId": "string",
         "sessionId": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

identifiers

The list of session identifiers to retrieve. You can specify up to 100 identifiers per request.

Type: Array of BatchGetSessionIdentifier objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "errors": [
      {
         "code": "string",
         "farmId": "string",
         "jobId": "string",
         "message": "string",
         "queueId": "string",
         "sessionId": "string"
      }
   ],
   "sessions": [
      {
         "endedAt": "string",
         "farmId": "string",
         "fleetId": "string",
         "hostProperties": {
            "ec2InstanceArn": "string",
            "ec2InstanceType": "string",
            "hostName": "string",
            "ipAddresses": {
               "ipV4Addresses": [ "string" ],
               "ipV6Addresses": [ "string" ]
            }
         },
         "jobId": "string",
         "lifecycleStatus": "string",
         "log": {
            "error": "string",
            "logDriver": "string",
            "options": {
               "string" : "string"
            },
            "parameters": {
               "string" : "string"
            }
         },
         "queueId": "string",
```

```
            "sessionId": "string",
            "startedAt": "string",
            "targetLifecycleStatus": "string",
            "updatedAt": "string",
            "updatedBy": "string",
            "workerId": "string",
            "workerLog": {
               "error": "string",
               "logDriver": "string",
               "options": {
                  "string" : "string"
               },
               "parameters": {
                  "string" : "string"
               }
            }
         }
      ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

errors

A list of errors for sessions that could not be retrieved.

Type: Array of BatchGetSessionError objects

sessions

A list of sessions that were successfully retrieved.

Type: Array of BatchGetSessionItem objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetSessionAction

Retrieves multiple session actions in a single request. This is a batch version of the `GetSessionAction` API.

The result of getting each session action is reported individually in the response. Because the batch request can result in a combination of successful and unsuccessful actions, you should check for batch errors even when the call returns an HTTP status code of 200.

Request Syntax

```
POST /2023-10-12/batch-get-session-action HTTP/1.1
Content-type: application/json

{
   "identifiers": [
      {
         "farmId": "string",
         "jobId": "string",
         "queueId": "string",
         "sessionActionId": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

identifiers

The list of session action identifiers to retrieve. You can specify up to 100 identifiers per request.

Type: Array of BatchGetSessionActionIdentifier objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "errors": [
      {
         "code": "string",
         "farmId": "string",
         "jobId": "string",
         "message": "string",
         "queueId": "string",
         "sessionActionId": "string"
      }
   ],
   "sessionActions": [
      {
         "acquiredLimits": [
            {
               "count": number,
               "limitId": "string"
            }
         ],
         "definition": { ... },
         "endedAt": "string",
         "farmId": "string",
         "jobId": "string",
         "manifests": [
            {
               "outputManifestHash": "string",
               "outputManifestPath": "string"
            }
         ],
         "processExitCode": number,
         "progressMessage": "string",
         "progressPercent": number,
         "queueId": "string",
         "sessionActionId": "string",
         "sessionId": "string",
```

```
            "startedAt": "string",
            "status": "string",
            "workerUpdatedAt": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

errors

A list of errors for session actions that could not be retrieved.

Type: Array of BatchGetSessionActionError objects

sessionActions

A list of session actions that were successfully retrieved.

Type: Array of BatchGetSessionActionItem objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetStep

Retrieves multiple steps in a single request. This is a batch version of the `GetStep` API.

The result of getting each step is reported individually in the response. Because the batch request can result in a combination of successful and unsuccessful actions, you should check for batch errors even when the call returns an HTTP status code of 200.

Request Syntax

```
POST /2023-10-12/batch-get-step HTTP/1.1
Content-type: application/json

{
   "identifiers": [
      {
         "farmId": "string",
         "jobId": "string",
         "queueId": "string",
         "stepId": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

identifiers

The list of step identifiers to retrieve. You can specify up to 100 identifiers per request.

Type: Array of BatchGetStepIdentifier objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "errors": [
      {
         "code": "string",
         "farmId": "string",
         "jobId": "string",
         "message": "string",
         "queueId": "string",
         "stepId": "string"
      }
   ],
   "steps": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "dependencyCounts": {
            "consumersResolved": number,
            "consumersUnresolved": number,
            "dependenciesResolved": number,
            "dependenciesUnresolved": number
         },
         "description": "string",
         "endedAt": "string",
         "farmId": "string",
         "jobId": "string",
         "lifecycleStatus": "string",
         "lifecycleStatusMessage": "string",
         "name": "string",
         "parameterSpace": {
            "combination": "string",
            "parameters": [
               {
                  "chunks": {
                     "defaultTaskCount": number,
                     "rangeConstraint": "string",
                     "targetRuntimeSeconds": number
                  },
                  "name": "string",
```

```
                "type": "string"
             }
          ]
       },
       "queueId": "string",
       "requiredCapabilities": {
          "amounts": [
             {
                "max": number,
                "min": number,
                "name": "string",
                "value": number
             }
          ],
          "attributes": [
             {
                "allOf": [ "string" ],
                "anyOf": [ "string" ],
                "name": "string"
             }
          ]
       },
       "startedAt": "string",
       "stepId": "string",
       "targetTaskRunStatus": "string",
       "taskFailureRetryCount": number,
       "taskRunStatus": "string",
       "taskRunStatusCounts": {
          "string" : number
       },
       "updatedAt": "string",
       "updatedBy": "string"
    }
  ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

errors

A list of errors for steps that could not be retrieved.

Type: Array of BatchGetStepError objects

steps

A list of steps that were successfully retrieved.

Type: Array of BatchGetStepItem objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetTask

Retrieves multiple tasks in a single request. This is a batch version of the `GetTask` API.

The result of getting each task is reported individually in the response. Because the batch request can result in a combination of successful and unsuccessful actions, you should check for batch errors even when the call returns an HTTP status code of 200.

Request Syntax

```
POST /2023-10-12/batch-get-task HTTP/1.1
Content-type: application/json

{
   "identifiers": [
      {
         "farmId": "string",
         "jobId": "string",
         "queueId": "string",
         "stepId": "string",
         "taskId": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

identifiers

The list of task identifiers to retrieve. You can specify up to 100 identifiers per request.

Type: Array of BatchGetTaskIdentifier objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "errors": [
      {
         "code": "string",
         "farmId": "string",
         "jobId": "string",
         "message": "string",
         "queueId": "string",
         "stepId": "string",
         "taskId": "string"
      }
   ],
   "tasks": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "endedAt": "string",
         "failureRetryCount": number,
         "farmId": "string",
         "jobId": "string",
         "latestSessionActionId": "string",
         "parameters": {
            "string" : { ... }
         },
         "queueId": "string",
         "runStatus": "string",
         "startedAt": "string",
         "stepId": "string",
         "targetRunStatus": "string",
         "taskId": "string",
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

errors

A list of errors for tasks that could not be retrieved.

Type: Array of BatchGetTaskError objects

tasks

A list of tasks that were successfully retrieved.

Type: Array of BatchGetTaskItem objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchGetWorker

Retrieves multiple workers in a single request. This is a batch version of the `GetWorker` API.

The result of getting each worker is reported individually in the response. Because the batch request can result in a combination of successful and unsuccessful actions, you should check for batch errors even when the call returns an HTTP status code of 200.

Request Syntax

```
POST /2023-10-12/batch-get-worker HTTP/1.1
Content-type: application/json

{
   "identifiers": [
      {
         "farmId": "string",
         "fleetId": "string",
         "workerId": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

identifiers

The list of worker identifiers to retrieve. You can specify up to 100 identifiers per request.

Type: Array of BatchGetWorkerIdentifier objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "errors": [
      {
         "code": "string",
         "farmId": "string",
         "fleetId": "string",
         "message": "string",
         "workerId": "string"
      }
   ],
   "workers": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "farmId": "string",
         "fleetId": "string",
         "hostProperties": {
            "ec2InstanceArn": "string",
            "ec2InstanceType": "string",
            "hostName": "string",
            "ipAddresses": {
               "ipV4Addresses": [ "string" ],
               "ipV6Addresses": [ "string" ]
            }
         },
         "log": {
            "error": "string",
            "logDriver": "string",
            "options": {
               "string" : "string"
            },
            "parameters": {
               "string" : "string"
            }
         },
         "status": "string",
         "updatedAt": "string",
         "updatedBy": "string",
```

```
            "workerId": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

errors

A list of errors for workers that could not be retrieved.

Type: Array of BatchGetWorkerError objects

workers

A list of workers that were successfully retrieved.

Type: Array of BatchGetWorkerItem objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchUpdateJob

Updates multiple jobs in a single request. This is a batch version of the `UpdateJob` API.

The result of updating each job is reported individually in the response. Because the batch request can result in a combination of successful and unsuccessful actions, you should check for batch errors even when the call returns an HTTP status code of 200.

When you change the status of a job to `ARCHIVED`, the job can't be scheduled or archived.

> **Important**
>
> An archived job and its steps and tasks are deleted after 120 days. The job can't be recovered.

Request Syntax

```
PATCH /2023-10-12/batch-update-job HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "jobs": [
      {
         "description": "string",
         "farmId": "string",
         "jobId": "string",
         "lifecycleStatus": "string",
         "maxFailedTasksCount": number,
         "maxRetriesPerTask": number,
         "maxWorkerCount": number,
         "name": "string",
         "priority": number,
         "queueId": "string",
         "targetTaskRunStatus": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

Request Body

The request accepts the following data in JSON format.

jobs

The list of jobs to update. You can specify up to 100 jobs per request.

Type: Array of BatchUpdateJobItem objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "errors": [
      {
         "code": "string",
         "farmId": "string",
         "jobId": "string",
         "message": "string",
         "queueId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

errors

A list of errors for jobs that could not be updated.

Type: Array of BatchUpdateJobError objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

BatchUpdateTask

Updates multiple tasks in a single request. This is a batch version of the `UpdateTask` API.

The result of updating each task is reported individually in the response. Because the batch request can result in a combination of successful and unsuccessful actions, you should check for batch errors even when the call returns an HTTP status code of 200.

Request Syntax

```
PATCH /2023-10-12/batch-update-task HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "tasks": [
      {
         "farmId": "string",
         "jobId": "string",
         "queueId": "string",
         "stepId": "string",
         "targetRunStatus": "string",
         "taskId": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

Request Body

The request accepts the following data in JSON format.

tasks

The list of tasks to update. You can specify up to 100 tasks per request.

Type: Array of BatchUpdateTaskItem objects

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "errors": [
      {
         "code": "string",
         "farmId": "string",
         "jobId": "string",
         "message": "string",
         "queueId": "string",
         "stepId": "string",
         "taskId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

errors

A list of errors for tasks that could not be updated.

Type: Array of BatchUpdateTaskError objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CopyJobTemplate

Copies a job template to an Amazon S3 bucket.

Request Syntax

```
POST /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/template HTTP/1.1
Content-type: application/json

{
   "targetS3Location": {
      "bucketName": "string",
      "key": "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID to copy.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to copy.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID to copy.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

targetS3Location

The Amazon S3 bucket name and key where you would like to add a copy of the job template.

Type: S3Location object

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "templateType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

templateType

The format of the job template, either JSON or YAML.

Type: String

Valid Values: JSON | YAML

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateBudget

Creates a budget to set spending thresholds for your rendering activity.

Request Syntax

```
POST /2023-10-12/farms/farmId/budgets HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "actions": [
      {
         "description": "string",
         "thresholdPercentage": number,
         "type": "string"
      }
   ],
   "approximateDollarLimit": number,
   "description": "string",
   "displayName": "string",
   "schedule": { ... },
   "tags": {
      "string" : "string"
   },
   "usageTrackingResource": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID to include in this budget.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

actions

The budget actions to specify what happens when the budget runs out.

Type: Array of BudgetActionToAdd objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: Yes

approximateDollarLimit

The dollar limit based on consumed usage.

Type: Float

Valid Range: Minimum value of 0.01.

Required: Yes

description

The description of the budget.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The display name of the budget.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

schedule

The schedule to associate with this budget.

Type: BudgetSchedule object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

tags

Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Required: No

usageTrackingResource

The queue ID provided to this budget to track usage.

Type: UsageTrackingResource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "budgetId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

budgetId

The budget ID.

Type: String

Pattern: `budget-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateFarm

Creates a farm to allow space for queues and fleets. Farms are the space where the components of your renders gather and are pieced together in the cloud. Farms contain budgets and allow you to enforce permissions. Deadline Cloud farms are a useful container for large projects.

Request Syntax

```
POST /2023-10-12/farms HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "costScaleFactor": number,
   "description": "string",
   "displayName": "string",
   "kmsKeyArn": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

Request Body

The request accepts the following data in JSON format.

costScaleFactor

A multiplier applied to the farm's calculated costs for usage data and budget tracking. A value less than 1 represents a discount, a value greater than 1 represents a premium, and a value of 1 represents no adjustment. The default value is 1.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

description

The description of the farm.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The display name of the farm.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

kmsKeyArn

The ARN of the KMS key to use on the farm.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):kms:[a-z]{2}((-gov)|(-iso(b?)))?-[a-z]+-\d{1}:\d{12}:key/[\w-]{1,120}`

Required: No

tags

The tags to add to your farm. Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "farmId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

farmId

The farm ID.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateFleet

Creates a fleet. Fleets gather information relating to compute, or capacity, for renders within your farms. You can choose to manage your own capacity or opt to have fleets fully managed by Deadline Cloud.

Request Syntax

```
POST /2023-10-12/farms/farmId/fleets HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "configuration": { ... },
   "description": "string",
   "displayName": "string",
   "hostConfiguration": {
      "scriptBody": "string",
      "scriptTimeoutSeconds": number
   },
   "maxWorkerCount": number,
   "minWorkerCount": number,
   "roleArn": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the farm to connect to the fleet.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

configuration

The configuration settings for the fleet. Customer managed fleets are self-managed. Service managed Amazon EC2 fleets are managed by Deadline Cloud.

Type: FleetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

description

The description of the fleet.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The display name of the fleet.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

hostConfiguration

Provides a script that runs as a worker is starting up that you can use to provide additional configuration for workers in your fleet.

Type: HostConfiguration object

Required: No

maxWorkerCount

The maximum number of workers for the fleet.

Deadline Cloud limits the number of workers to less than or equal to the fleet's maximum worker count. The service maintains eventual consistency for the worker count. If you make multiple rapid calls to `CreateWorker` before the field updates, you might exceed your fleet's maximum worker count. For example, if your `maxWorkerCount` is 10 and you currently have 9 workers, making two quick `CreateWorker` calls might successfully create 2 workers instead of 1, resulting in 11 total workers.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

minWorkerCount

The minimum number of workers for the fleet.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

roleArn

The IAM role ARN for the role that the fleet's workers will use.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

Required: Yes

tags

Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "fleetId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateJob

Creates a job. A job is a set of instructions that Deadline Cloud uses to schedule and run work on available workers. For more information, see Deadline Cloud jobs.

Request Syntax

```
POST /2023-10-12/farms/farmId/queues/queueId/jobs HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "attachments": {
      "fileSystem": "string",
      "manifests": [
         {
            "fileSystemLocationName": "string",
            "inputManifestHash": "string",
            "inputManifestPath": "string",
            "outputRelativeDirectories": [ "string" ],
            "rootPath": "string",
            "rootPathFormat": "string"
         }
      ]
   },
   "descriptionOverride": "string",
   "maxFailedTasksCount": number,
   "maxRetriesPerTask": number,
   "maxWorkerCount": number,
   "nameOverride": "string",
   "parameters": {
      "string" : { ... }
   },
   "priority": number,
   "sourceJobId": "string",
   "storageProfileId": "string",
   "tags": {
      "string" : "string"
   },
   "targetTaskRunStatus": "string",
   "template": "string",
   "templateType": "string"
```

```
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the farm to connect to the job.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueId

The ID of the queue that the job is submitted to.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

attachments

The attachments for the job. Attach files required for the job to run to a render job.

Type: Attachments object

Required: No

descriptionOverride

A custom description to override the job description derived from the job template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

maxFailedTasksCount

The number of task failures before the job stops running and is marked as `FAILED`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxRetriesPerTask

The maximum number of retries for each task.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxWorkerCount

The maximum number of worker hosts that can concurrently process a job. When the `maxWorkerCount` is reached, no more workers will be assigned to process the job, even if the fleets assigned to the job's queue has available workers.

You can't set the `maxWorkerCount` to 0. If you set it to -1, there is no maximum number of workers.

If you don't specify the `maxWorkerCount`, Deadline Cloud won't throttle the number of workers used to process the job.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

Required: No

nameOverride

A custom name to override the job name derived from the job template.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

parameters

The parameters for the job.

Type: String to JobParameter object map

Key Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

priority

The priority of the job. The highest priority (first scheduled) is 100. When two jobs have the same priority, the oldest job is scheduled first.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: Yes

sourceJobId

The job ID for the source job.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

storageProfileId

The storage profile ID for the storage profile to connect to the job.

Type: String

Pattern: `sp-[0-9a-f]{32}`

Required: No

tags

The tags to add to your job. Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Required: No

targetTaskRunStatus

The initial job status when it is created. Jobs that are created with a SUSPENDED status will not run until manually requeued.

Type: String

Valid Values: `READY | SUSPENDED`

Required: No

template

The job template to use for this job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000000.

Required: No

templateType

The file type for the job template.

Type: String

Valid Values: `JSON | YAML`

Required: No

Response Syntax

```
HTTP/1.1 201
```

```
Content-type: application/json

{
   "jobId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 201 response.

The following data is returned in JSON format by the service.

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateLicenseEndpoint

Creates a license endpoint to integrate your various licensed software used for rendering on Deadline Cloud.

Request Syntax

```
POST /2023-10-12/license-endpoints HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "securityGroupIds": [ "string" ],
   "subnetIds": [ "string" ],
   "tags": {
      "string" : "string"
   },
   "vpcId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

Request Body

The request accepts the following data in JSON format.

securityGroupIds

The security group IDs.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `sg-[\w]{1,120}`

Required: Yes

subnetIds

The subnet IDs.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `subnet-[\w]{1,120}`

Required: Yes

tags

Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Required: No

vpcId

The VPC (virtual private cloud) ID to use with the license endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `vpc-[\w]{1,120}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "licenseEndpointId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

licenseEndpointId

The license endpoint ID.

Type: String

Pattern: `le-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateLimit

Creates a limit that manages the distribution of shared resources, such as floating licenses. A limit can throttle work assignments, help manage workloads, and track current usage. Before you use a limit, you must associate the limit with one or more queues.

You must add the `amountRequirementName` to a step in a job template to declare the limit requirement.

Request Syntax

```
POST /2023-10-12/farms/farmId/limits HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "amountRequirementName": "string",
   "description": "string",
   "displayName": "string",
   "maxCount": number
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the farm that contains the limit.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

amountRequirementName

The value that you specify as the `name` in the `amounts` field of the `hostRequirements` in a step of a job template to declare the limit requirement.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: Yes

description

A description of the limit. A description helps you identify the purpose of the limit.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The display name of the limit.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

maxCount

The maximum number of resources constrained by this limit. When all of the resources are in use, steps that require the limit won't be scheduled until the resource is available.

The `maxCount` must not be 0. If the value is -1, there is no restriction on the number of resources that can be acquired for this limit.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "limitId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

limitId

A unique identifier for the limit. Use this identifier in other operations, such as `CreateQueueLimitAssociation` and `DeleteLimit`.

Type: String

Pattern: `limit-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateMonitor

Creates an AWS Deadline Cloud monitor that you can use to view your farms, queues, and fleets. After you submit a job, you can track the progress of the tasks and steps that make up the job, and then download the job's results.

Request Syntax

```
POST /2023-10-12/monitors HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "displayName": "string",
   "identityCenterInstanceArn": "string",
   "identityCenterRegion": "string",
   "roleArn": "string",
   "subdomain": "string",
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

Request Body

The request accepts the following data in JSON format.

displayName

The name that you give the monitor that is displayed in the Deadline Cloud console.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

identityCenterInstanceArn

The Amazon Resource Name of the IAM Identity Center instance that authenticates monitor users.

Type: String

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-.]{16}`

Required: Yes

identityCenterRegion

The Region where IAM Identity Center is enabled. Required when IAM Identity Center is in a different Region than the monitor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[a-z0-9-]+`

Required: No

roleArn

The Amazon Resource Name of the IAM role that the monitor uses to connect to Deadline Cloud. Every user that signs in to the monitor using IAM Identity Center uses this role to access Deadline Cloud resources.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

Required: Yes

subdomain

The subdomain to use when creating the monitor URL. The full URL of the monitor is subdomain.Region.deadlinecloud.amazonaws.com.

Type: String

Pattern: `[a-z0-9-]{1,100}`

Required: Yes

tags

The tags to add to your monitor. Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "identityCenterApplicationArn": "string",
   "monitorId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

identityCenterApplicationArn

The Amazon Resource Name that IAM Identity Center assigns to the monitor.

Type: String

monitorId

The unique identifier of the monitor.

Type: String

Pattern: `monitor-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateQueue

Creates a queue to coordinate the order in which jobs run on a farm. A queue can also specify where to pull resources and indicate where to output completed jobs.

Request Syntax

```
POST /2023-10-12/farms/farmId/queues HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "allowedStorageProfileIds": [ "string" ],
   "defaultBudgetAction": "string",
   "description": "string",
   "displayName": "string",
   "jobAttachmentSettings": {
      "rootPrefix": "string",
      "s3BucketName": "string"
   },
   "jobRunAsUser": {
      "posix": {
         "group": "string",
         "user": "string"
      },
      "runAs": "string",
      "windows": {
         "passwordArn": "string",
         "user": "string"
      }
   },
   "requiredFileSystemLocationNames": [ "string" ],
   "roleArn": "string",
   "schedulingConfiguration": { ... },
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the farm to connect to the queue.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

allowedStorageProfileIds

The storage profile IDs to include in the queue.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Pattern: `sp-[0-9a-f]{32}`

Required: No

defaultBudgetAction

The default action to take on a queue if a budget isn't configured.

Type: String

Valid Values: `NONE | STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS`

Required: No

description

The description of the queue.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The display name of the queue.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

jobAttachmentSettings

The job attachment settings for the queue. These are the Amazon S3 bucket name and the Amazon S3 prefix.

Type: JobAttachmentSettings object

Required: No

jobRunAsUser

The jobs in the queue run as the specified POSIX user.

Type: JobRunAsUser object

Required: No

requiredFileSystemLocationNames

The file system location name to include in the queue.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[0-9A-Za-z ]*`

Required: No

roleArn

The IAM role ARN that workers will use while running jobs for this queue.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

Required: No

schedulingConfiguration

The scheduling configuration for the queue. This configuration determines how workers are assigned to jobs in the queue.

If not specified, the queue defaults to the `priorityFifo` scheduling configuration.

Type: SchedulingConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

tags

Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "queueId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateQueueEnvironment

Creates an environment for a queue that defines how jobs in the queue run.

Request Syntax

```
POST /2023-10-12/farms/farmId/queues/queueId/environments HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "priority": number,
   "template": "string",
   "templateType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the farm to connect to the environment.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID to connect the queue and environment.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

priority

Sets the priority of the environments in the queue from 0 to 10,000, where 0 is the highest priority (activated first and deactivated last). If two environments share the same priority value, the environment created first takes higher priority.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: Yes

template

The environment template to use in the queue.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 15000.

Required: Yes

templateType

The template's file type, `JSON` or `YAML`.

Type: String

Valid Values: `JSON | YAML`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
    "queueEnvironmentId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

queueEnvironmentId

The queue environment ID.

Type: String

Pattern: `queueenv-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateQueueFleetAssociation

Creates an association between a queue and a fleet.

Request Syntax

```
PUT /2023-10-12/farms/farmId/queue-fleet-associations HTTP/1.1
Content-type: application/json

{
   "fleetId": "string",
   "queueId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The ID of the farm that the queue and fleet belong to.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateQueueLimitAssociation

Associates a limit with a particular queue. After the limit is associated, all workers for jobs that specify the limit associated with the queue are subject to the limit. You can't associate two limits with the same `amountRequirementName` to the same queue.

Request Syntax

```
PUT /2023-10-12/farms/farmId/queue-limit-associations HTTP/1.1
Content-type: application/json

{
   "limitId": "string",
   "queueId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The unique identifier of the farm that contains the queue and limit to associate.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

limitId

The unique identifier of the limit to associate with the queue.

Type: String

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

queueId

The unique identifier of the queue to associate with the limit.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateStorageProfile

Creates a storage profile that specifies the operating system, file type, and file location of resources used on a farm.

Request Syntax

```
POST /2023-10-12/farms/farmId/storage-profiles HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "displayName": "string",
   "fileSystemLocations": [
      {
         "name": "string",
         "path": "string",
         "type": "string"
      }
   ],
   "osFamily": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the farm to connect to the storage profile.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

displayName

The display name of the storage profile.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

fileSystemLocations

File system paths to include in the storage profile.

Type: Array of FileSystemLocation objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

osFamily

The type of operating system (OS) for the storage profile.

Type: String

Valid Values: `WINDOWS | LINUX | MACOS`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "storageProfileId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

storageProfileId

The storage profile ID.

Type: String

Pattern: `sp-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

CreateWorker

Creates a worker. A worker tells your instance how much processing power (vCPU), and memory (GiB) you'll need to assemble the digital assets held within a particular instance. You can specify certain instance types to use, or let the worker know which instances types to exclude.

Deadline Cloud limits the number of workers to less than or equal to the fleet's maximum worker count. The service maintains eventual consistency for the worker count. If you make multiple rapid calls to `CreateWorker` before the field updates, you might exceed your fleet's maximum worker count. For example, if your `maxWorkerCount` is 10 and you currently have 9 workers, making two quick `CreateWorker` calls might successfully create 2 workers instead of 1, resulting in 11 total workers.

Request Syntax

```
POST /2023-10-12/farms/farmId/fleets/fleetId/workers HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "hostProperties": {
      "hostName": "string",
      "ipAddresses": {
         "ipV4Addresses": [ "string" ],
         "ipV6Addresses": [ "string" ]
      }
   },
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the farm to connect to the worker.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID to connect to the worker.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

hostProperties

The IP address and host name of the worker.

Type: HostPropertiesRequest object

Required: No

tags

Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "workerId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

workerId

The worker ID.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteBudget

Deletes a budget.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/budgets/budgetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

budgetId

The budget ID of the budget to delete.

Pattern: `budget-[0-9a-f]{32}`

Required: Yes

farmId

The farm ID of the farm to remove from the budget.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteFarm

Deletes a farm.

Request Syntax

```
DELETE /2023-10-12/farms/farmId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm to delete.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteFleet

Deletes a fleet.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/fleets/fleetId HTTP/1.1
X-Amz-Client-Token: clientToken
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the farm to remove from the fleet.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the fleet to delete.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteLicenseEndpoint

Deletes a license endpoint.

Request Syntax

```
DELETE /2023-10-12/license-endpoints/licenseEndpointId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

licenseEndpointId

The license endpoint ID of the license endpoint to delete.

Pattern: `le-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteLimit

Removes a limit from the specified farm. Before you delete a limit you must use the `DeleteQueueLimitAssociation` operation to remove the association with any queues.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/limits/limitId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The unique identifier of the farm that contains the limit to delete.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

limitId

The unique identifier of the limit to delete.

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteMeteredProduct

Deletes a metered product.

Request Syntax

```
DELETE /2023-10-12/license-endpoints/licenseEndpointId/metered-products/productId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

licenseEndpointId

The ID of the license endpoint from which to remove the metered product.

Pattern: `le-[0-9a-f]{32}`

Required: Yes

productId

The product ID to remove from the license endpoint.

Pattern: `[0-9a-z]{1,32}-[.0-9a-z]{1,32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteMonitor

Removes a Deadline Cloud monitor. After you delete a monitor, you can create a new one and attach farms to the monitor.

Request Syntax

```
DELETE /2023-10-12/monitors/monitorId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

monitorId

The unique identifier of the monitor to delete. This ID is returned by the `CreateMonitor` operation, and is included in the response to the `GetMonitor` operation.

Pattern: `monitor-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteQueue

Deletes a queue.

> **Important**
>
> You can't recover the jobs in a queue if you delete the queue. Deleting the queue also deletes the jobs in that queue.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/queues/queueId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The ID of the farm from which to remove the queue.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the queue to delete.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteQueueEnvironment

Deletes a queue environment.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/queues/queueId/environments/queueEnvironmentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm from which to remove the queue environment.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueEnvironmentId

The queue environment ID of the queue environment to delete.

Pattern: `queueenv-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the queue environment to delete.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteQueueFleetAssociation

Deletes a queue-fleet association.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/queue-fleet-associations/queueId/fleetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm that holds the queue-fleet association.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the queue-fleet association.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the queue-fleet association.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteQueueLimitAssociation

Removes the association between a queue and a limit. You must use the `UpdateQueueLimitAssociation` operation to set the status to `STOP_LIMIT_USAGE_AND_COMPLETE_TASKS` or `STOP_LIMIT_USAGE_AND_CANCEL_TASKS`. The status does not change immediately. Use the `GetQueueLimitAssociation` operation to see if the status changed to `STOPPED` before deleting the association.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/queue-limit-associations/queueId/limitId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The unique identifier of the farm that contains the queue and limit to disassociate.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

limitId

The unique identifier of the limit to disassociate.

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

queueId

The unique identifier of the queue to disassociate.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteStorageProfile

Deletes a storage profile.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/storage-profiles/storageProfileId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm from which to remove the storage profile.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

storageProfileId

The storage profile ID of the storage profile to delete.

Pattern: `sp-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteVolume

Deletes a persistent volume.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/fleets/fleetId/volumes/volumeId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm that contains the fleet.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the fleet that contains the volume.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

volumeId

The volume ID of the volume to delete.

Pattern: `volume-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DeleteWorker

Deletes a worker.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/fleets/fleetId/workers/workerId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the worker to delete.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the worker to delete.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

workerId

The worker ID of the worker to delete.

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisassociateMemberFromFarm

Disassociates a member from a farm.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/members/principalId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm to disassociate from the member.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

principalId

A member's principal ID to disassociate from a farm.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisassociateMemberFromFleet

Disassociates a member from a fleet.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/fleets/fleetId/members/principalId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the fleet to disassociate a member from.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the fleet to from which to disassociate a member.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

principalId

A member's principal ID to disassociate from a fleet.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisassociateMemberFromJob

Disassociates a member from a job.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/members/principalId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the job to disassociate from the member.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to disassociate from a member in a job.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

principalId

A member's principal ID to disassociate from a job.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

queueId

The queue ID connected to a job for which you're disassociating a member.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

DisassociateMemberFromQueue

Disassociates a member from a queue.

Request Syntax

```
DELETE /2023-10-12/farms/farmId/queues/queueId/members/principalId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the queue to disassociate from a member.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

principalId

A member's principal ID to disassociate from a queue.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

queueId

The queue ID of the queue in which you're disassociating from a member.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetBudget

Get a budget.

Request Syntax

```
GET /2023-10-12/farms/farmId/budgets/budgetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

budgetId

The budget ID.

Pattern: `budget-[0-9a-f]{32}`

Required: Yes

farmId

The farm ID of the farm connected to the budget.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "actions": [
      {
         "description": "string",
         "thresholdPercentage": number,
```

```
            "type": "string"
         }
      ],
      "approximateDollarLimit": number,
      "budgetId": "string",
      "createdAt": "string",
      "createdBy": "string",
      "description": "string",
      "displayName": "string",
      "queueStoppedAt": "string",
      "schedule": { ... },
      "status": "string",
      "updatedAt": "string",
      "updatedBy": "string",
      "usages": {
         "approximateDollarUsage": number
      },
      "usageTrackingResource": { ... }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

actions

The budget actions for the budget.

Type: Array of ResponseBudgetAction objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

approximateDollarLimit

The consumed usage limit for the budget.

Type: Float

Valid Range: Minimum value of 0.01.

budgetId

The budget ID.

Type: String

Pattern: `budget-[0-9a-f]{32}`

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

description

The description of the budget.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

displayName

The display name of the budget.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

queueStoppedAt

The date and time the queue stopped.

Type: Timestamp

schedule

The budget schedule.

Type: BudgetSchedule object

Note: This object is a Union. Only one member of this object can be specified or returned.

status

The status of the budget.

- `ACTIVE`–Get a budget being evaluated.
- `INACTIVE`–Get an inactive budget. This can include expired, canceled, or deleted statuses.

Type: String

Valid Values: `ACTIVE | INACTIVE`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

usages

The usages of the budget.

Type: ConsumedUsages object

usageTrackingResource

The resource that the budget is tracking usage for.

Type: UsageTrackingResource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetFarm

Get a farm.

Request Syntax

```
GET /2023-10-12/farms/farmId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "costScaleFactor": number,
   "createdAt": "string",
   "createdBy": "string",
   "description": "string",
   "displayName": "string",
   "farmId": "string",
   "kmsKeyArn": "string",
   "updatedAt": "string",
   "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

costScaleFactor

A multiplier applied to the farm's calculated costs for usage data and budget tracking. A value less than 1 represents a discount, a value greater than 1 represents a premium, and a value of 1 represents no adjustment.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

description

The description of the farm.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

displayName

The display name of the farm.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

farmId

The farm ID of the farm to get.

Type: String

Pattern: `farm-[0-9a-f]{32}`

kmsKeyArn

The ARN of the KMS key used on the farm.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):kms:[a-z]{2}((-gov)|(-iso(b?)))?-[a-z]+-\d{1}:\d{12}:key/[\w-]{1,120}`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetFleet

Get a fleet.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm in the fleet.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the fleet to get.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "autoScalingStatus": "string",
   "capabilities": {
      "amounts": [
         {
```

```
            "max": number,
            "min": number,
            "name": "string"
         }
      ],
      "attributes": [
         {
            "name": "string",
            "values": [ "string" ]
         }
      ]
   },
   "configuration": { ... },
   "createdAt": "string",
   "createdBy": "string",
   "description": "string",
   "displayName": "string",
   "farmId": "string",
   "fleetId": "string",
   "hostConfiguration": {
      "scriptBody": "string",
      "scriptTimeoutSeconds": number
   },
   "maxWorkerCount": number,
   "minWorkerCount": number,
   "roleArn": "string",
   "status": "string",
   "statusMessage": "string",
   "targetWorkerCount": number,
   "updatedAt": "string",
   "updatedBy": "string",
   "workerCount": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

autoScalingStatus

The AWS Auto Scaling status of the fleet. Either `GROWING`, `STEADY`, or `SHRINKING`.

Type: String

Valid Values: `GROWING | STEADY | SHRINKING`

capabilities

Outlines what the fleet is capable of for minimums, maximums, and naming, in addition to attribute names and values.

Type: FleetCapabilities object

configuration

The configuration setting for the fleet.

Type: FleetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

description

The description of the fleet.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

displayName

The display name of the fleet.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

farmId

The farm ID of the farm in the fleet.

Type: String

Pattern: `farm-[0-9a-f]{32}`

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

hostConfiguration

The script that runs as a worker is starting up that you can use to provide additional configuration for workers in your fleet.

Type: HostConfiguration object

maxWorkerCount

The maximum number of workers specified in the fleet.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

minWorkerCount

The minimum number of workers specified in the fleet.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

roleArn

The IAM role ARN.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

status

The status of the fleet.

Type: String

Valid Values: `ACTIVE | CREATE_IN_PROGRESS | UPDATE_IN_PROGRESS | CREATE_FAILED | UPDATE_FAILED | SUSPENDED`

statusMessage

A message that communicates a suspended status of the fleet.

Type: String

targetWorkerCount

The number of target workers in the fleet.

Type: Integer

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

workerCount

The number of workers in the fleet.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetJob

Gets a Deadline Cloud job.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm in the job.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID associated with the job.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "attachments": {
      "fileSystem": "string",
      "manifests": [
         {
            "fileSystemLocationName": "string",
            "inputManifestHash": "string",
            "inputManifestPath": "string",
            "outputRelativeDirectories": [ "string" ],
            "rootPath": "string",
            "rootPathFormat": "string"
         }
      ]
   },
   "createdAt": "string",
   "createdBy": "string",
   "description": "string",
   "endedAt": "string",
   "jobId": "string",
   "lifecycleStatus": "string",
   "lifecycleStatusMessage": "string",
   "maxFailedTasksCount": number,
   "maxRetriesPerTask": number,
   "maxWorkerCount": number,
   "name": "string",
   "parameters": {
      "string" : { ... }
   },
   "priority": number,
   "sourceJobId": "string",
   "startedAt": "string",
   "storageProfileId": "string",
   "targetTaskRunStatus": "string",
   "taskFailureRetryCount": number,
   "taskRunStatus": "string",
   "taskRunStatusCounts": {
      "string" : number
   },
   "updatedAt": "string",
   "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

attachments

The attachments for the job.

Type: Attachments object

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

description

The description of the job.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

endedAt

The date and time the resource ended running.

Type: Timestamp

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

lifecycleStatus

The life cycle status for the job.

Type: String

Valid Values: `CREATE_IN_PROGRESS | CREATE_FAILED | CREATE_COMPLETE | UPLOAD_IN_PROGRESS | UPLOAD_FAILED | UPDATE_IN_PROGRESS | UPDATE_FAILED | UPDATE_SUCCEEDED | ARCHIVED`

lifecycleStatusMessage

A message that communicates the status of the life cycle for the job.

Type: String

maxFailedTasksCount

The number of task failures before the job stops running and is marked as `FAILED`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

maxRetriesPerTask

The maximum number of retries per failed tasks.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

maxWorkerCount

The maximum number of worker hosts that can concurrently process a job. When the `maxWorkerCount` is reached, no more workers will be assigned to process the job, even if the fleets assigned to the job's queue has available workers.

If you don't set the `maxWorkerCount` when you create a job, this value is not returned in the response.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

name

The name of the job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

parameters

The parameters for the job.

Type: String to JobParameter object map

Key Length Constraints: Minimum length of 1. Maximum length of 1024.

priority

The job priority.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

sourceJobId

The job ID for the source job.

Type: String

Pattern: `job-[0-9a-f]{32}`

startedAt

The date and time the resource started running.

Type: Timestamp

storageProfileId

The storage profile ID associated with the job.

Type: String

Pattern: `sp-[0-9a-f]{32}`

targetTaskRunStatus

The task status with which the job started.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

taskFailureRetryCount

The total number of times tasks from the job failed and were retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

taskRunStatus

The task run status for the job.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

taskRunStatusCounts

The number of tasks running on the job.

Type: String to integer map

Valid Keys: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetLicenseEndpoint

Gets a licence endpoint.

Request Syntax

```
GET /2023-10-12/license-endpoints/licenseEndpointId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

licenseEndpointId

The license endpoint ID.

Pattern: `le-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "dnsName": "string",
   "licenseEndpointId": "string",
   "securityGroupIds": [ "string" ],
   "status": "string",
   "statusMessage": "string",
   "subnetIds": [ "string" ],
   "vpcId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

dnsName

The DNS name.

Type: String

licenseEndpointId

The license endpoint ID.

Type: String

Pattern: `le-[0-9a-f]{32}`

securityGroupIds

The security group IDs for the license endpoint.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `sg-[\w]{1,120}`

status

The status of the license endpoint.

Type: String

Valid Values: `CREATE_IN_PROGRESS | DELETE_IN_PROGRESS | READY | NOT_READY`

statusMessage

The status message of the license endpoint.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

subnetIds

The subnet IDs.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `subnet-[\w]{1,120}`

vpcId

The VPC (virtual private cloud) ID associated with the license endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `vpc-[\w]{1,120}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetLimit

Gets information about a specific limit.

Request Syntax

```
GET /2023-10-12/farms/farmId/limits/limitId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The unique identifier of the farm that contains the limit.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

limitId

The unique identifier of the limit to return.

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "amountRequirementName": "string",
   "createdAt": "string",
   "createdBy": "string",
```

```
    "currentCount": number,
    "description": "string",
    "displayName": "string",
    "farmId": "string",
    "limitId": "string",
    "maxCount": number,
    "updatedAt": "string",
    "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

amountRequirementName

The value that you specify as the `name` in the `amounts` field of the `hostRequirements` in a step of a job template to declare the limit requirement.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

createdAt

The Unix timestamp of the date and time that the limit was created.

Type: Timestamp

createdBy

The user identifier of the person that created the limit.

Type: String

currentCount

The number of resources from the limit that are being used by jobs. The result is delayed and may not be the count at the time that you called the operation.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

description

The description of the limit that helps identify what the limit is used for.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

displayName

The display name of the limit.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

farmId

The unique identifier of the farm that contains the limit.

Type: String

Pattern: `farm-[0-9a-f]{32}`

limitId

The unique identifier of the limit.

Type: String

Pattern: `limit-[0-9a-f]{32}`

maxCount

The maximum number of resources constrained by this limit. When all of the resources are in use, steps that require the limit won't be scheduled until the resource is available.

The `maxValue` must not be 0. If the value is -1, there is no restriction on the number of resources that can be acquired for this limit.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

updatedAt

The Unix timestamp of the date and time that the limit was last updated.

Type: Timestamp

updatedBy

The user identifier of the person that last updated the limit.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetMonitor

Gets information about the specified monitor.

Request Syntax

```
GET /2023-10-12/monitors/monitorId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

monitorId

The unique identifier for the monitor. This ID is returned by the `CreateMonitor` operation.

Pattern: `monitor-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "createdBy": "string",
   "displayName": "string",
   "identityCenterApplicationArn": "string",
   "identityCenterInstanceArn": "string",
   "identityCenterRegion": "string",
   "monitorId": "string",
   "roleArn": "string",
   "subdomain": "string",
   "updatedAt": "string",
```

```
    "updatedBy": "string",
    "url": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The UNIX timestamp of the date and time that the monitor was created.

Type: Timestamp

createdBy

The user name of the person that created the monitor.

Type: String

displayName

The name used to identify the monitor on the Deadline Cloud console.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

identityCenterApplicationArn

The Amazon Resource Name that the IAM Identity Center assigned to the monitor when it was created.

Type: String

identityCenterInstanceArn

The Amazon Resource Name of the IAM Identity Center instance responsible for authenticating monitor users.

Type: String

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-.]{16}`

identityCenterRegion

The Region where IAM Identity Center is enabled.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[a-z0-9-]+`

monitorId

The unique identifier for the monitor.

Type: String

Pattern: `monitor-[0-9a-f]{32}`

roleArn

The Amazon Resource Name of the IAM role for the monitor. Users of the monitor use this role to access Deadline Cloud resources.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

subdomain

The subdomain used for the monitor URL. The full URL of the monitor is subdomain.Region.deadlinecloud.amazonaws.com.

Type: String

Pattern: `[a-z0-9-]{1,100}`

updatedAt

The UNIX timestamp of the last date and time that the monitor was updated.

Type: Timestamp

updatedBy

The user name of the person that last updated the monitor.

Type: String

url

The complete URL of the monitor. The full URL of the monitor is subdomain.Region.deadlinecloud.amazonaws.com.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetMonitorSettings

Gets the settings for a Deadline Cloud monitor.

Request Syntax

```
GET /2023-10-12/monitors/monitorId/settings HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

monitorId

The unique identifier of the monitor. This ID is returned by the `CreateMonitor` operation, and is included in the response to the `ListMonitors` operation.

Pattern: `monitor-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "settings": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

settings

The monitor settings as key-value pairs.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 64 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z][a-zA-Z0-9_.:-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 8192.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetQueue

Gets a queue.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm in the queue.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID for the queue to retrieve.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "allowedStorageProfileIds": [ "string" ],
   "blockedReason": "string",
```

```
   "createdAt": "string",
   "createdBy": "string",
   "defaultBudgetAction": "string",
   "description": "string",
   "displayName": "string",
   "farmId": "string",
   "jobAttachmentSettings": {
      "rootPrefix": "string",
      "s3BucketName": "string"
   },
   "jobRunAsUser": {
      "posix": {
         "group": "string",
         "user": "string"
      },
      "runAs": "string",
      "windows": {
         "passwordArn": "string",
         "user": "string"
      }
   },
   "queueId": "string",
   "requiredFileSystemLocationNames": [ "string" ],
   "roleArn": "string",
   "schedulingConfiguration": { ... },
   "status": "string",
   "updatedAt": "string",
   "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

allowedStorageProfileIds

The storage profile IDs for the queue.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Pattern: `sp-[0-9a-f]{32}`

blockedReason

The reason the queue was blocked.

Type: String

Valid Values: `NO_BUDGET_CONFIGURED | BUDGET_THRESHOLD_REACHED`

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

defaultBudgetAction

The default action taken on a queue if a budget wasn't configured.

Type: String

Valid Values: `NONE | STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS`

description

The description of the queue.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

displayName

The display name of the queue.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

farmId

The farm ID for the queue.

Type: String

Pattern: `farm-[0-9a-f]{32}`

jobAttachmentSettings

The job attachment settings for the queue.

Type: JobAttachmentSettings object

jobRunAsUser

The jobs in the queue ran as this specified POSIX user.

Type: JobRunAsUser object

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

requiredFileSystemLocationNames

A list of the required file system location names in the queue.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[0-9A-Za-z ]*`

roleArn

The IAM role ARN.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

schedulingConfiguration

The scheduling configuration for the queue. This configuration determines how workers are assigned to jobs in the queue.

Type: SchedulingConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

status

The status of the queue.

- `ACTIVE`–The queue is active.
- `SCHEDULING`–The queue is scheduling.
- `SCHEDULING_BLOCKED`–The queue scheduling is blocked. See the provided reason.

Type: String

Valid Values: `IDLE | SCHEDULING | SCHEDULING_BLOCKED`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetQueueEnvironment

Gets a queue environment.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/environments/queueEnvironmentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the queue environment.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueEnvironmentId

The queue environment ID.

Pattern: `queueenv-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID for the queue environment.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "createdAt": "string",
   "createdBy": "string",
   "name": "string",
   "priority": number,
   "queueEnvironmentId": "string",
   "template": "string",
   "templateType": "string",
   "updatedAt": "string",
   "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.>

Type: String

name

The name of the queue environment.

Type: String

priority

The priority of the queue environment.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

queueEnvironmentId

The queue environment ID.

Type: String

Pattern: `queueenv-[0-9a-f]{32}`

template

The template for the queue environment.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 15000.

templateType

The type of template for the queue environment.

Type: String

Valid Values: `JSON | YAML`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetQueueFleetAssociation

Gets a queue-fleet association.

Request Syntax

```
GET /2023-10-12/farms/farmId/queue-fleet-associations/queueId/fleetId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm that contains the queue-fleet association.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID for the queue-fleet association.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID for the queue-fleet association.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "createdAt": "string",
   "createdBy": "string",
   "fleetId": "string",
   "queueId": "string",
   "status": "string",
   "updatedAt": "string",
   "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

fleetId

The fleet ID for the queue-fleet association.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

queueId

The queue ID for the queue-fleet association.

Type: String

Pattern: `queue-[0-9a-f]{32}`

status

The status of the queue-fleet association.

Type: String

Valid Values: `ACTIVE | STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS | STOPPED`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetQueueLimitAssociation

Gets information about a specific association between a queue and a limit.

Request Syntax

```
GET /2023-10-12/farms/farmId/queue-limit-associations/queueId/limitId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The unique identifier of the farm that contains the associated queue and limit.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

limitId

The unique identifier of the limit associated with the queue.

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

queueId

The unique identifier of the queue associated with the limit.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "createdAt": "string",
   "createdBy": "string",
   "limitId": "string",
   "queueId": "string",
   "status": "string",
   "updatedAt": "string",
   "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The Unix timestamp of the date and time that the association was created.

Type: Timestamp

createdBy

The user identifier of the person that created the association.

Type: String

limitId

The unique identifier of the limit associated with the queue.

Type: String

Pattern: `limit-[0-9a-f]{32}`

queueId

The unique identifier of the queue associated with the limit.

Type: String

Pattern: `queue-[0-9a-f]{32}`

status

The current status of the limit.

Type: String

Valid Values: `ACTIVE | STOP_LIMIT_USAGE_AND_COMPLETE_TASKS | STOP_LIMIT_USAGE_AND_CANCEL_TASKS | STOPPED`

updatedAt

The Unix timestamp of the date and time that the association was last updated.

Type: Timestamp

updatedBy

The user identifier of the person that last updated the association.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetSession

Gets a session.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/sessions/sessionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the session.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID for the session.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID for the session.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionId

The session ID.

Pattern: `session-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "endedAt": "string",
   "fleetId": "string",
   "hostProperties": {
      "ec2InstanceArn": "string",
      "ec2InstanceType": "string",
      "hostName": "string",
      "ipAddresses": {
         "ipV4Addresses": [ "string" ],
         "ipV6Addresses": [ "string" ]
      }
   },
   "lifecycleStatus": "string",
   "log": {
      "error": "string",
      "logDriver": "string",
      "options": {
         "string" : "string"
      },
      "parameters": {
         "string" : "string"
      }
   },
   "sessionId": "string",
   "startedAt": "string",
   "targetLifecycleStatus": "string",
   "updatedAt": "string",
   "updatedBy": "string",
   "workerId": "string",
   "workerLog": {
      "error": "string",
      "logDriver": "string",
      "options": {
         "string" : "string"
```

```
      },
      "parameters": {
         "string" : "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

endedAt

The date and time the resource ended running.

Type: Timestamp

fleetId

The fleet ID for the session.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

hostProperties

Provides the Amazon EC2 properties of the host.

Type: HostPropertiesResponse object

lifecycleStatus

The life cycle status of the session.

Type: String

Valid Values: `STARTED | UPDATE_IN_PROGRESS | UPDATE_SUCCEEDED | UPDATE_FAILED | ENDED`

log

The session log.

Type: LogConfiguration object

sessionId

The session ID.

Type: String

Pattern: `session-[0-9a-f]{32}`

startedAt

The date and time the resource started running.

Type: Timestamp

targetLifecycleStatus

The life cycle status with which the session started.

Type: String

Valid Values: `ENDED`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

workerId

The worker ID for the session.

Type: String

Pattern: `worker-[0-9a-f]{32}`

workerLog

The worker log for the session.

Type: LogConfiguration object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetSessionAction

Gets a session action for the job.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/session-actions/sessionActionId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the session action.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID for the session.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID for the session action.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionActionId

The session action ID for the session.

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "acquiredLimits": [
      {
         "count": number,
         "limitId": "string"
      }
   ],
   "definition": { ... },
   "endedAt": "string",
   "manifests": [
      {
         "outputManifestHash": "string",
         "outputManifestPath": "string"
      }
   ],
   "processExitCode": number,
   "progressMessage": "string",
   "progressPercent": number,
   "sessionActionId": "string",
   "sessionId": "string",
   "startedAt": "string",
   "status": "string",
   "workerUpdatedAt": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

acquiredLimits

The limits and their amounts acquired during a session action. If no limits were acquired during the session, this field isn't returned.

Type: Array of AcquiredLimit objects

definition

The session action definition.

Type: SessionActionDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

endedAt

The date and time the resource ended running.

Type: Timestamp

manifests

The list of manifest properties that describe file attachments for the task run.

Type: Array of TaskRunManifestPropertiesResponse objects

processExitCode

The process exit code. The default Deadline Cloud worker agent converts unsigned 32-bit exit codes to signed 32-bit exit codes.

Type: Integer

Valid Range: Minimum value of -2147483648. Maximum value of 2147483647.

progressMessage

The message that communicates the progress of the session action.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

progressPercent

The percentage completed for a session action.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

sessionActionId

The session action ID.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

sessionId

The session ID for the session action.

Type: String

Pattern: `session-[0-9a-f]{32}`

startedAt

The date and time the resource started running.

Type: Timestamp

status

The status of the session action.

Type: String

Valid Values: `ASSIGNED | RUNNING | CANCELING | SUCCEEDED | FAILED | INTERRUPTED | CANCELED | NEVER_ATTEMPTED | SCHEDULED | RECLAIMING | RECLAIMED`

workerUpdatedAt

The Linux timestamp of the date and time the session action was last updated.

Type: Timestamp

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetSessionsStatisticsAggregation

Gets a set of statistics for queues or farms. Before you can call the `GetSessionStatisticsAggregation` operation, you must first call the `StartSessionsStatisticsAggregation` operation. Statistics are available for 1 hour after you call the `StartSessionsStatisticsAggregation` operation.

Request Syntax

```
GET /2023-10-12/farms/farmId/sessions-statistics-aggregation?
aggregationId=aggregationId&maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

aggregationId

The identifier returned by the `StartSessionsStatisticsAggregation` operation that identifies the aggregated statistics.

Pattern: `[0-9a-f]{32}`

Required: Yes

farmId

The identifier of the farm to include in the statistics. This should be the same as the farm ID used in the call to the `StartSessionsStatisticsAggregation` operation.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "statistics": [
      {
         "aggregationEndTime": "string",
         "aggregationStartTime": "string",
         "costInUsd": {
            "avg": number,
            "max": number,
            "min": number,
            "sum": number
         },
         "count": number,
         "fleetId": "string",
         "instanceType": "string",
         "jobId": "string",
         "jobName": "string",
         "licenseProduct": "string",
         "queueId": "string",
         "runtimeInSeconds": {
            "avg": number,
            "max": number,
            "min": number,
            "sum": number
         },
         "usageType": "string",
         "userId": "string"
```

```
      }
   ],
   "status": "string",
   "statusMessage": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

statistics

The statistics for the specified fleets or queues.

Type: Array of Statistics objects

status

The status of the aggregated results. An aggregation may fail or time out if the results are too large. If this happens, you can call the `StartSessionsStatisticsAggregation` operation after you reduce the aggregation time frame, reduce the number of queues or fleets in the aggregation, or increase the period length.

If you call the `StartSessionsStatisticsAggregation` operation when the status is `IN_PROGRESS`, you will receive a `ThrottlingException`.

Type: String

Valid Values: `IN_PROGRESS | TIMEOUT | FAILED | COMPLETED`

statusMessage

A message that describes the status.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetStep

Gets a step.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/steps/stepId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the step.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID for the step.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID for the step.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID.

Pattern: `step-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "createdBy": "string",
   "dependencyCounts": {
      "consumersResolved": number,
      "consumersUnresolved": number,
      "dependenciesResolved": number,
      "dependenciesUnresolved": number
   },
   "description": "string",
   "endedAt": "string",
   "lifecycleStatus": "string",
   "lifecycleStatusMessage": "string",
   "name": "string",
   "parameterSpace": {
      "combination": "string",
      "parameters": [
         {
            "chunks": {
               "defaultTaskCount": number,
               "rangeConstraint": "string",
               "targetRuntimeSeconds": number
            },
            "name": "string",
            "type": "string"
         }
      ]
   },
   "requiredCapabilities": {
      "amounts": [
         {
            "max": number,
            "min": number,
            "name": "string",
```

```
            "value": number
         }
      ],
      "attributes": [
         {
            "allOf": [ "string" ],
            "anyOf": [ "string" ],
            "name": "string"
         }
      ]
   },
   "startedAt": "string",
   "stepId": "string",
   "targetTaskRunStatus": "string",
   "taskFailureRetryCount": number,
   "taskRunStatus": "string",
   "taskRunStatusCounts": {
      "string" : number
   },
   "updatedAt": "string",
   "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

dependencyCounts

The number of dependencies in the step.

Type: DependencyCounts object

description

The description of the step.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

endedAt

The date and time the resource ended running.

Type: Timestamp

lifecycleStatus

The life cycle status of the step.

Type: String

Valid Values: `CREATE_COMPLETE | UPDATE_IN_PROGRESS | UPDATE_FAILED | UPDATE_SUCCEEDED`

lifecycleStatusMessage

A message that describes the lifecycle status of the step.

Type: String

name

The name of the step.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

parameterSpace

A list of step parameters and the combination expression for the step.

Type: ParameterSpace object

requiredCapabilities

The required capabilities of the step.

Type: StepRequiredCapabilities object

startedAt

The date and time the resource started running.

Type: Timestamp

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

targetTaskRunStatus

The task status with which the job started.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

taskFailureRetryCount

The total number of times tasks from the step failed and were retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

taskRunStatus

The task run status for the job.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

taskRunStatusCounts

The number of tasks running on the job.

Type: String to integer map

Valid Keys: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetStorageProfile

Gets a storage profile.

Request Syntax

```
GET /2023-10-12/farms/farmId/storage-profiles/storageProfileId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the storage profile.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

storageProfileId

The storage profile ID.

Pattern: `sp-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "createdBy": "string",
```

```
   "displayName": "string",
   "fileSystemLocations": [
      {
         "name": "string",
         "path": "string",
         "type": "string"
      }
   ],
   "osFamily": "string",
   "storageProfileId": "string",
   "updatedAt": "string",
   "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

displayName

The display name of the storage profile.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

fileSystemLocations

The location of the files for the storage profile.

Type: Array of FileSystemLocation objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

osFamily

The operating system (OS) for the storage profile.

Type: String

Valid Values: `WINDOWS | LINUX | MACOS`

storageProfileId

The storage profile ID.

Type: String

Pattern: `sp-[0-9a-f]{32}`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetStorageProfileForQueue

Gets a storage profile for a queue.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/storage-profiles/storageProfileId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the queue in storage profile.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID the queue in the storage profile.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

storageProfileId

The storage profile ID for the storage profile in the queue.

Pattern: `sp-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "displayName": "string",
   "fileSystemLocations": [
      {
         "name": "string",
         "path": "string",
         "type": "string"
      }
   ],
   "osFamily": "string",
   "storageProfileId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

displayName

The display name of the storage profile connected to a queue.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

fileSystemLocations

The location of the files for the storage profile within the queue.

Type: Array of FileSystemLocation objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

osFamily

The operating system of the storage profile in the queue.

Type: String

Valid Values: `WINDOWS | LINUX | MACOS`

storageProfileId

The storage profile ID.

Type: String

Pattern: `sp-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetTask

Gets a task.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/steps/stepId/tasks/taskId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm connected to the task.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the job connected to the task.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID for the queue connected to the task.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID for the step connected to the task.

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskId

The task ID.

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "createdAt": "string",
   "createdBy": "string",
   "endedAt": "string",
   "failureRetryCount": number,
   "latestSessionActionId": "string",
   "parameters": {
      "string" : { ... }
   },
   "runStatus": "string",
   "startedAt": "string",
   "targetRunStatus": "string",
   "taskId": "string",
   "updatedAt": "string",
   "updatedBy": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

endedAt

The date and time the resource ended running.

Type: Timestamp

failureRetryCount

The number of times that the task failed and was retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

latestSessionActionId

The latest session action ID for the task.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

parameters

The parameters for the task.

Type: String to TaskParameterValue object map

runStatus

The run status for the task.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

startedAt

The date and time the resource started running.

Type: Timestamp

targetRunStatus

The run status with which to start the task.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

taskId

The task ID.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetVolume

Gets a persistent volume.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId/volumes/volumeId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm that contains the fleet.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the fleet that contains the volume.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

volumeId

The volume ID of the volume to retrieve.

Pattern: `volume-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "attachedWorkerId": "string",
   "availabilityZoneId": "string",
   "createdAt": "string",
   "expiresAt": "string",
   "farmId": "string",
   "fleetId": "string",
   "iops": number,
   "lastAssignedAt": "string",
   "lastReleasedAt": "string",
   "sizeGiB": number,
   "state": "string",
   "throughputMiB": number,
   "volumeId": "string",
   "volumeType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

attachedWorkerId

The worker ID of the worker the volume is attached to.

Type: String

Pattern: `worker-[0-9a-f]{32}`

availabilityZoneId

The Availability Zone ID of the volume.

Type: String

createdAt

The date and time the resource was created.

Type: Timestamp

expiresAt

The date and time the volume expires and will be deleted.

Type: Timestamp

farmId

The farm ID of the farm that contains the fleet.

Type: String

Pattern: `farm-[0-9a-f]{32}`

fleetId

The fleet ID of the fleet that contains the volume.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

iops

The IOPS of the volume.

Type: Integer

Valid Range: Minimum value of 100. Maximum value of 80000.

lastAssignedAt

The date and time the volume was last assigned to a worker.

Type: Timestamp

lastReleasedAt

The date and time the volume was last released from a worker.

Type: Timestamp

sizeGiB

The volume size in GiB.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65536.

state

The state of the volume.

Type: String

Valid Values: `PENDING_CREATION | PENDING_ATTACHMENT | IN_USE | AVAILABLE | PENDING_DELETION`

throughputMiB

The throughput of the volume in MiB.

Type: Integer

Valid Range: Minimum value of 125. Maximum value of 2000.

volumeId

The volume ID.

Type: String

Pattern: `volume-[0-9a-f]{32}`

volumeType

The EBS volume type.

Type: String

Valid Values: gp3

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

GetWorker

Gets a worker.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId/workers/workerId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the worker.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the worker.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

workerId

The worker ID.

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "createdAt": "string",
   "createdBy": "string",
   "farmId": "string",
   "fleetId": "string",
   "hostProperties": {
      "ec2InstanceArn": "string",
      "ec2InstanceType": "string",
      "hostName": "string",
      "ipAddresses": {
         "ipV4Addresses": [ "string" ],
         "ipV6Addresses": [ "string" ]
      }
   },
   "log": {
      "error": "string",
      "logDriver": "string",
      "options": {
         "string" : "string"
      },
      "parameters": {
         "string" : "string"
      }
   },
   "status": "string",
   "updatedAt": "string",
   "updatedBy": "string",
   "workerId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

createdAt

The date and time the resource was created.

Type: Timestamp

createdBy

The user or system that created this resource.

Type: String

farmId

The farm ID.

Type: String

Pattern: `farm-[0-9a-f]{32}`

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

hostProperties

The host properties for the worker.

Type: HostPropertiesResponse object

log

The logs for the associated worker.

Type: LogConfiguration object

status

The status of the worker.

Type: String

Valid Values: `CREATED | STARTED | STOPPING | STOPPED | NOT_RESPONDING | NOT_COMPATIBLE | RUNNING | IDLE`

updatedAt

The date and time the resource was updated.

Type: Timestamp

updatedBy

The user or system that updated this resource.

Type: String

workerId

The worker ID.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListAvailableMeteredProducts

A list of the available metered products.

Request Syntax

```
GET /2023-10-12/metered-products?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "meteredProducts": [
      {
         "family": "string",
         "port": number,
         "productId": "string",
         "vendor": "string"
```

```
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

meteredProducts

The metered products.

Type: Array of MeteredProductSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListBudgets

A list of budgets in a farm.

Request Syntax

```
GET /2023-10-12/farms/farmId/budgets?
maxResults=maxResults&nextToken=nextToken&status=status HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID associated with the budgets.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

status

The status to list for the budgets.

Valid Values: `ACTIVE | INACTIVE`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "budgets": [
      {
         "approximateDollarLimit": number,
         "budgetId": "string",
         "createdAt": "string",
         "createdBy": "string",
         "description": "string",
         "displayName": "string",
         "status": "string",
         "updatedAt": "string",
         "updatedBy": "string",
         "usages": {
            "approximateDollarUsage": number
         },
         "usageTrackingResource": { ... }
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

budgets

The budgets to include on the list.

Type: Array of BudgetSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results

remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListFarmMembers

Lists the members of a farm.

Request Syntax

```
GET /2023-10-12/farms/farmId/members?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "members": [
      {
         "farmId": "string",
         "identityStoreId": "string",
         "membershipLevel": "string",
         "principalId": "string",
         "principalType": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

members

The members on the list.

Type: Array of FarmMember objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListFarms

Lists farms.

Request Syntax

```
GET /2023-10-12/farms?maxResults=maxResults&nextToken=nextToken&principalId=principalId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

principalId

The principal ID of the member to list on the farm.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "farms": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "displayName": "string",
         "farmId": "string",
         "kmsKeyArn": "string",
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

farms

Farms on the list.

Type: Array of FarmSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListFleetMembers

Lists fleet members.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId/members?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the fleet.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID to include on the list.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "members": [
      {
         "farmId": "string",
         "fleetId": "string",
         "identityStoreId": "string",
         "membershipLevel": "string",
         "principalId": "string",
         "principalType": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

members

The members on the list.

Type: Array of FleetMember objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListFleets

Lists fleets.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets?
displayName=displayName&maxResults=maxResults&nextToken=nextToken&principalId=principalId&statu
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

displayName

The display names of a list of fleets.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Length Constraints: Minimum length of 1. Maximum length of 100.

farmId

The farm ID of the fleets.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

principalId

The principal ID of the members to include in the fleet.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

status

The status of the fleet.

Valid Values: `ACTIVE | CREATE_IN_PROGRESS | UPDATE_IN_PROGRESS | CREATE_FAILED | UPDATE_FAILED | SUSPENDED`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "fleets": [
      {
         "autoScalingStatus": "string",
         "configuration": { ... },
         "createdAt": "string",
         "createdBy": "string",
         "displayName": "string",
         "farmId": "string",
         "fleetId": "string",
         "maxWorkerCount": number,
         "minWorkerCount": number,
```

```
            "status": "string",
            "statusMessage": "string",
            "targetWorkerCount": number,
            "updatedAt": "string",
            "updatedBy": "string",
            "workerCount": number
        }
    ],
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

fleets

The fleets on the list.

Type: Array of FleetSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListJobMembers

Lists members on a job.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/members?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the job to list.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to include on the list.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID to include on the list.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "members": [
      {
         "farmId": "string",
         "identityStoreId": "string",
         "jobId": "string",
         "membershipLevel": "string",
         "principalId": "string",
         "principalType": "string",
         "queueId": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

members

The members on the list.

Type: Array of JobMember objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListJobParameterDefinitions

Lists parameter definitions of a job.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/parameter-definitions?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the job to list.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to include on the list.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID to include on the list.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "jobParameterDefinitions": [ JSON value ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

jobParameterDefinitions

Lists parameter definitions of a job.

Type: Array of JSON values

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListJobs

Lists jobs.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs?
maxResults=maxResults&nextToken=nextToken&principalId=principalId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the jobs.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

principalId

The principal ID of the members on the jobs.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

queueId

The queue ID for the job.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "jobs": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "endedAt": "string",
         "jobId": "string",
         "lifecycleStatus": "string",
         "lifecycleStatusMessage": "string",
         "maxFailedTasksCount": number,
         "maxRetriesPerTask": number,
         "maxWorkerCount": number,
         "name": "string",
         "priority": number,
         "sourceJobId": "string",
         "startedAt": "string",
         "targetTaskRunStatus": "string",
         "taskFailureRetryCount": number,
         "taskRunStatus": "string",
         "taskRunStatusCounts": {
            "string" : number
         },
         "updatedAt": "string",
         "updatedBy": "string"
      }
```

```
    ],
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

jobs

The jobs on the list.

Type: Array of JobSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListLicenseEndpoints

Lists license endpoints.

Request Syntax

```
GET /2023-10-12/license-endpoints?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "licenseEndpoints": [
      {
         "licenseEndpointId": "string",
         "status": "string",
         "statusMessage": "string",
         "vpcId": "string"
```

```
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

licenseEndpoints

The license endpoints.

Type: Array of LicenseEndpointSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListLimits

Gets a list of limits defined in the specified farm.

Request Syntax

```
GET /2023-10-12/farms/farmId/limits?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The unique identifier of the farm that contains the limits.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of limits to return in each page of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "limits": [
      {
         "amountRequirementName": "string",
         "createdAt": "string",
         "createdBy": "string",
         "currentCount": number,
         "displayName": "string",
         "farmId": "string",
         "limitId": "string",
         "maxCount": number,
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

limits

A list of limits that the farm contains.

Type: Array of LimitSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListMeteredProducts

Lists metered products.

Request Syntax

```
GET /2023-10-12/license-endpoints/licenseEndpointId/metered-products?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

licenseEndpointId

The license endpoint ID to include on the list of metered products.

Pattern: `le-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "meteredProducts": [
      {
         "family": "string",
         "port": number,
         "productId": "string",
         "vendor": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

meteredProducts

The metered products to list.

Type: Array of MeteredProductSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListMonitors

Gets a list of your monitors in Deadline Cloud.

Request Syntax

```
GET /2023-10-12/monitors?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "monitors": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "displayName": "string",
```

```
            "identityCenterApplicationArn": "string",
            "identityCenterInstanceArn": "string",
            "identityCenterRegion": "string",
            "monitorId": "string",
            "roleArn": "string",
            "subdomain": "string",
            "updatedAt": "string",
            "updatedBy": "string",
            "url": "string"
        }
    ],
    "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

monitors

A list of `MonitorSummary` objects that describe your monitors in the Deadline Cloud.

Type: Array of MonitorSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListQueueEnvironments

Lists queue environments.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/environments?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the queue environment list.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID for the queue environment list.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "environments": [
      {
         "name": "string",
         "priority": number,
         "queueEnvironmentId": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

environments

The environments to include in the queue environments list.

Type: Array of QueueEnvironmentSummary objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListQueueFleetAssociations

Lists queue-fleet associations.

Request Syntax

```
GET /2023-10-12/farms/farmId/queue-fleet-associations?
fleetId=fleetId&maxResults=maxResults&nextToken=nextToken&queueId=queueId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the queue-fleet association list.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID for the queue-fleet association list.

Pattern: `fleet-[0-9a-f]{32}`

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID for the queue-fleet association list.

Pattern: `queue-[0-9a-f]{32}`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "queueFleetAssociations": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "fleetId": "string",
         "queueId": "string",
         "status": "string",
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueFleetAssociations

The queue-fleet associations on the list.

Type: Array of QueueFleetAssociationSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListQueueLimitAssociations

Gets a list of the associations between queues and limits defined in a farm.

Request Syntax

```
GET /2023-10-12/farms/farmId/queue-limit-associations?
limitId=limitId&maxResults=maxResults&nextToken=nextToken&queueId=queueId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The unique identifier of the farm that contains the limits and associations.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

limitId

Specifies that the operation should return only the queue limit associations for the specified limit. If you specify both the `queueId` and the `limitId`, only the specified limit is returned if it exists.

Pattern: `limit-[0-9a-f]{32}`

maxResults

The maximum number of associations to return in each page of results.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

Specifies that the operation should return only the queue limit associations for the specified queue. If you specify both the `queueId` and the `limitId`, only the specified limit is returned if it exists.

Pattern: `queue-[0-9a-f]{32}`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "queueLimitAssociations": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "limitId": "string",
         "queueId": "string",
         "status": "string",
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the

operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueLimitAssociations

A list of associations between limits and queues in the farm specified in the request.

Type: Array of QueueLimitAssociationSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListQueueMembers

Lists the members in a queue.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/members?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the queue.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID to include on the list.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "members": [
      {
         "farmId": "string",
         "identityStoreId": "string",
         "membershipLevel": "string",
         "principalId": "string",
         "principalType": "string",
         "queueId": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

members

The members on the list.

Type: Array of QueueMember objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListQueues

Lists queues.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues?
maxResults=maxResults&nextToken=nextToken&principalId=principalId&status=status
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the queue.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

principalId

The principal IDs to include in the list of queues.

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

status

The status of the queues listed.

- ACTIVE–The queues are active.
- SCHEDULING–The queues are scheduling.
- SCHEDULING_BLOCKED–The queue scheduling is blocked for these queues.

Valid Values: IDLE | SCHEDULING | SCHEDULING_BLOCKED

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "queues": [
      {
         "blockedReason": "string",
         "createdAt": "string",
         "createdBy": "string",
         "defaultBudgetAction": "string",
         "displayName": "string",
         "farmId": "string",
         "queueId": "string",
         "status": "string",
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

queues

The queues on the list.

Type: Array of QueueSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSessionActions

Lists session actions.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/session-actions?
maxResults=maxResults&nextToken=nextToken&sessionId=sessionId&taskId=taskId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the session actions list.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID for the session actions list.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID for the session actions list.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionId

The session ID to include on the sessions action list.

Pattern: `session-[0-9a-f]{32}`

taskId

The task ID for the session actions list.

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "sessionActions": [
      {
         "definition": { ... },
         "endedAt": "string",
         "manifests": [
            {
               "outputManifestHash": "string",
               "outputManifestPath": "string"
            }
         ],
         "progressPercent": number,
         "sessionActionId": "string",
         "startedAt": "string",
         "status": "string",
         "workerUpdatedAt": "string"
      }
   ]
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

sessionActions

The session actions.

Type: Array of SessionActionSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSessions

Lists sessions.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/sessions?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the list of sessions.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID for the list of sessions.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID for the list of sessions

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "sessions": [
      {
         "endedAt": "string",
         "fleetId": "string",
         "lifecycleStatus": "string",
         "sessionId": "string",
         "startedAt": "string",
         "targetLifecycleStatus": "string",
         "updatedAt": "string",
         "updatedBy": "string",
         "workerId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results

remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

sessions

The sessions on the list.

Type: Array of SessionSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSessionsForWorker

Lists sessions for a worker.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId/workers/workerId/sessions?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the session.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID for the session.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

workerId

The worker ID for the session.

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "sessions": [
      {
         "endedAt": "string",
         "jobId": "string",
         "lifecycleStatus": "string",
         "queueId": "string",
         "sessionId": "string",
         "startedAt": "string",
         "targetLifecycleStatus": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

sessions

The sessions in the response.

Type: Array of WorkerSessionSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListStepConsumers

Lists step consumers.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/steps/stepId/consumers?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the list of step consumers.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID for the step consumer.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID for the step consumer.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID to include on the list.

Pattern: `step-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "consumers": [
      {
         "status": "string",
         "stepId": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

consumers

The consumers on the list.

Type: Array of StepConsumer objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListStepDependencies

Lists the dependencies for a step.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/steps/stepId/dependencies?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID for the step dependencies list.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID for the step dependencies list.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 1000.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID for the step dependencies list.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID to include on the list.

Pattern: `step-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "dependencies": [
      {
         "status": "string",
         "stepId": "string"
      }
   ],
   "nextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

dependencies

The dependencies on the list.

Type: Array of StepDependency objects

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListSteps

Lists steps for a job.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/steps?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID to include on the list of steps.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to include on the list of steps.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID to include on the list of steps.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "steps": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "dependencyCounts": {
            "consumersResolved": number,
            "consumersUnresolved": number,
            "dependenciesResolved": number,
            "dependenciesUnresolved": number
         },
         "endedAt": "string",
         "lifecycleStatus": "string",
         "lifecycleStatusMessage": "string",
         "name": "string",
         "startedAt": "string",
         "stepId": "string",
         "targetTaskRunStatus": "string",
         "taskFailureRetryCount": number,
         "taskRunStatus": "string",
         "taskRunStatusCounts": {
            "string" : number
         },
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

steps

The steps on the list.

Type: Array of StepSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListStorageProfiles

Lists storage profiles.

Request Syntax

```
GET /2023-10-12/farms/farmId/storage-profiles?maxResults=maxResults&nextToken=nextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the storage profile.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
   "nextToken": "string",
   "storageProfiles": [
      {
         "displayName": "string",
         "osFamily": "string",
         "storageProfileId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

storageProfiles

The storage profiles.

Type: Array of StorageProfileSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListStorageProfilesForQueue

Lists storage profiles for a queue.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/storage-profiles?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the queue's storage profile.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID for the storage profile.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "storageProfiles": [
      {
         "displayName": "string",
         "osFamily": "string",
         "storageProfileId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

storageProfiles

The storage profiles in the queue.

Type: Array of StorageProfileSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTagsForResource

Lists tags for a resource.

Request Syntax

```
GET /2023-10-12/tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The resource ARN to list tags for.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "tags": {
      "string" : "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

tags

Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListTasks

Lists tasks for a job.

Request Syntax

```
GET /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/steps/stepId/tasks?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID connected to the tasks.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID for the tasks.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

queueId

The queue ID connected to the tasks.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID for the tasks.

Pattern: `step-[0-9a-f]{32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "tasks": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "endedAt": "string",
         "failureRetryCount": number,
         "latestSessionActionId": "string",
         "parameters": {
            "string" : { ... }
         },
         "runStatus": "string",
         "startedAt": "string",
         "targetRunStatus": "string",
         "taskId": "string",
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

tasks

Tasks for the job.

Type: Array of TaskSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListVolumes

Lists the persistent volumes in a fleet.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId/volumes?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the farm that contains the fleet.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the fleet that contains the volumes.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "volumes": [
      {
         "attachedWorkerId": "string",
         "availabilityZoneId": "string",
         "farmId": "string",
         "fleetId": "string",
         "sizeGiB": number,
         "state": "string",
         "volumeId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

volumes

The volumes on the list.

Type: Array of VolumeSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

ListWorkers

Lists workers.

Request Syntax

```
GET /2023-10-12/farms/farmId/fleets/fleetId/workers?
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID connected to the workers.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the workers.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

maxResults

The maximum number of results to return. Use this parameter with `NextToken` to get results as a set of sequential pages.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token for the next set of results, or `null` to start from the beginning.

Length Constraints: Minimum length of 0. Maximum length of 4096.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextToken": "string",
   "workers": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "farmId": "string",
         "fleetId": "string",
         "hostProperties": {
            "ec2InstanceArn": "string",
            "ec2InstanceType": "string",
            "hostName": "string",
            "ipAddresses": {
               "ipV4Addresses": [ "string" ],
               "ipV6Addresses": [ "string" ]
            }
         },
         "log": {
            "error": "string",
            "logDriver": "string",
            "options": {
               "string" : "string"
            },
            "parameters": {
               "string" : "string"
            }
         },
         "status": "string",
         "updatedAt": "string",
         "updatedBy": "string",
         "workerId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextToken

If Deadline Cloud returns `nextToken`, then there are more results available. The value of `nextToken` is a unique pagination token for each page. To retrieve the next page, call the operation again using the returned token. Keep all other arguments unchanged. If no results remain, then `nextToken` is set to `null`. Each pagination token expires after 24 hours. If you provide a token that isn't valid, then you receive an HTTP 400 `ValidationException` error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

workers

The workers on the list.

Type: Array of WorkerSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

PutMeteredProduct

Adds a metered product.

Request Syntax

```
PUT /2023-10-12/license-endpoints/licenseEndpointId/metered-products/productId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

licenseEndpointId

The license endpoint ID to add to the metered product.

Pattern: `le-[0-9a-f]{32}`

Required: Yes

productId

The product ID to add to the metered product.

Pattern: `[0-9a-z]{1,32}-[.0-9a-z]{1,32}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SearchJobs

Searches for jobs.

Request Syntax

```
POST /2023-10-12/farms/farmId/search/jobs HTTP/1.1
Content-type: application/json

{
   "filterExpressions": {
      "filters": [
         { ... }
      ],
      "operator": "string"
   },
   "itemOffset": number,
   "pageSize": number,
   "queueIds": [ "string" ],
   "sortExpressions": [
      { ... }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the job.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

filterExpressions

The search terms for a resource.

Type: SearchGroupedFilterExpressions object

Required: No

itemOffset

The offset for the search results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: Yes

pageSize

Specifies the number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

queueIds

The queue ID to use in the job search.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sortExpressions

The search terms for a resource.

Type: Array of SearchSortExpression objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "jobs": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "endedAt": "string",
         "jobId": "string",
         "jobParameters": {
            "string" : { ... }
         },
         "lifecycleStatus": "string",
         "lifecycleStatusMessage": "string",
         "maxFailedTasksCount": number,
         "maxRetriesPerTask": number,
         "maxWorkerCount": number,
         "name": "string",
         "priority": number,
         "queueId": "string",
         "sourceJobId": "string",
         "startedAt": "string",
         "targetTaskRunStatus": "string",
         "taskFailureRetryCount": number,
         "taskRunStatus": "string",
         "taskRunStatusCounts": {
            "string" : number
         },
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ],
   "nextItemOffset": number,
   "totalResults": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

jobs

The jobs in the search.

Type: Array of JobSearchSummary objects

nextItemOffset

The next item offset for the search results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

totalResults

The total number of results in the search.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SearchSteps

Searches for steps.

Request Syntax

```
POST /2023-10-12/farms/farmId/search/steps HTTP/1.1
Content-type: application/json

{
   "filterExpressions": {
      "filters": [
         { ... }
      ],
      "operator": "string"
   },
   "itemOffset": number,
   "jobId": "string",
   "pageSize": number,
   "queueIds": [ "string" ],
   "sortExpressions": [
      { ... }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID to use for the step search.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

filterExpressions

The search terms for a resource.

Type: SearchGroupedFilterExpressions object

Required: No

itemOffset

The offset for the search results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: Yes

jobId

The job ID to use in the step search.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

pageSize

Specifies the number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

queueIds

The queue IDs in the step search.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sortExpressions

The search terms for a resource.

Type: Array of SearchSortExpression objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextItemOffset": number,
   "steps": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "endedAt": "string",
         "jobId": "string",
         "lifecycleStatus": "string",
         "lifecycleStatusMessage": "string",
         "name": "string",
         "parameterSpace": {
            "combination": "string",
            "parameters": [
               {
                  "chunks": {
                     "defaultTaskCount": number,
                     "rangeConstraint": "string",
                     "targetRuntimeSeconds": number
                  },
                  "name": "string",
                  "type": "string"
               }
            ]
```

```
         },
         "queueId": "string",
         "startedAt": "string",
         "stepId": "string",
         "targetTaskRunStatus": "string",
         "taskFailureRetryCount": number,
         "taskRunStatus": "string",
         "taskRunStatusCounts": {
            "string" : number
         },
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ],
   "totalResults": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextItemOffset

The next item offset for the search results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

steps

The steps in the search.

Type: Array of StepSearchSummary objects

totalResults

The total number of results in the search.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SearchTasks

Searches for tasks.

Request Syntax

```
POST /2023-10-12/farms/farmId/search/tasks HTTP/1.1
Content-type: application/json

{
   "filterExpressions": {
      "filters": [
         { ... }
      ],
      "operator": "string"
   },
   "itemOffset": number,
   "jobId": "string",
   "pageSize": number,
   "queueIds": [ "string" ],
   "sortExpressions": [
      { ... }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID of the task.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

filterExpressions

The search terms for a resource.

Type: SearchGroupedFilterExpressions object

Required: No

itemOffset

The offset for the search results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: Yes

jobId

The job ID for the task search.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

pageSize

Specifies the number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

queueIds

The queue IDs to include in the search.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sortExpressions

The search terms for a resource.

Type: Array of SearchSortExpression objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextItemOffset": number,
   "tasks": [
      {
         "endedAt": "string",
         "failureRetryCount": number,
         "jobId": "string",
         "latestSessionActionId": "string",
         "parameters": {
            "string" : { ... }
         },
         "queueId": "string",
         "runStatus": "string",
         "startedAt": "string",
         "stepId": "string",
         "targetRunStatus": "string",
         "taskId": "string",
         "updatedAt": "string",
         "updatedBy": "string"
      }
   ],
   "totalResults": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextItemOffset

The next item offset for the search results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

tasks

Tasks in the search.

Type: Array of TaskSearchSummary objects

totalResults

The total number of results in the search.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

SearchWorkers

Searches for workers.

Request Syntax

```
POST /2023-10-12/farms/farmId/search/workers HTTP/1.1
Content-type: application/json

{
   "filterExpressions": {
      "filters": [
         { ... }
      ],
      "operator": "string"
   },
   "fleetIds": [ "string" ],
   "itemOffset": number,
   "pageSize": number,
   "sortExpressions": [
      { ... }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID in the workers search.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

filterExpressions

The search terms for a resource.

Type: SearchGroupedFilterExpressions object

Required: No

fleetIds

The fleet ID of the workers to search for.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

itemOffset

The offset for the search results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: Yes

pageSize

Specifies the number of results to return.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

sortExpressions

The search terms for a resource.

Type: Array of SearchSortExpression objects

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "nextItemOffset": number,
   "totalResults": number,
   "workers": [
      {
         "createdAt": "string",
         "createdBy": "string",
         "fleetId": "string",
         "hostProperties": {
            "ec2InstanceArn": "string",
            "ec2InstanceType": "string",
            "hostName": "string",
            "ipAddresses": {
               "ipV4Addresses": [ "string" ],
               "ipV6Addresses": [ "string" ]
            }
         },
         "status": "string",
         "updatedAt": "string",
         "updatedBy": "string",
         "workerId": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

nextItemOffset

The next item offset for the search results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

totalResults

The total number of results in the search.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

workers

The workers for the search.

Type: Array of WorkerSearchSummary objects

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

StartSessionsStatisticsAggregation

Starts an asynchronous request for getting aggregated statistics about queues and farms. Get the statistics using the `GetSessionsStatisticsAggregation` operation. You can only have one running aggregation for your Deadline Cloud farm. Call the `GetSessionsStatisticsAggregation` operation and check the `status` field to see if an aggregation is running. Statistics are available for 1 hour after you call the `StartSessionsStatisticsAggregation` operation.

Request Syntax

```
POST /2023-10-12/farms/farmId/sessions-statistics-aggregation HTTP/1.1
Content-type: application/json

{
   "endTime": "string",
   "groupBy": [ "string" ],
   "period": "string",
   "resourceIds": { ... },
   "startTime": "string",
   "statistics": [ "string" ],
   "timezone": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The identifier of the farm that contains queues or fleets to return statistics for.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

endTime

The Linux timestamp of the date and time that the statistics end.

Type: Timestamp

Required: Yes

groupBy

The field to use to group the statistics.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 2 items.

Valid Values: `QUEUE_ID | FLEET_ID | JOB_ID | USER_ID | USAGE_TYPE | INSTANCE_TYPE | LICENSE_PRODUCT`

Required: Yes

period

The period to aggregate the statistics.

Type: String

Valid Values: `HOURLY | DAILY | WEEKLY | MONTHLY`

Required: No

resourceIds

A list of fleet IDs or queue IDs to gather statistics for.

Type: SessionsStatisticsResources object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

startTime

The Linux timestamp of the date and time that the statistics start.

Type: Timestamp

Required: Yes

statistics

One to four statistics to return.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 4 items.

Valid Values: `SUM | MIN | MAX | AVG`

Required: Yes

timezone

The time zone to use for the statistics. Use UTC notation such as "UTC+8."

Type: String

Length Constraints: Fixed length of 9.

Pattern: `UTC[-+][01][0-9]:(30|00)`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "aggregationId": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

aggregationId

A unique identifier for the aggregated statistics. Use this identifier with the `GetAggregatedStatisticsForSessions` operation to return the statistics.

Type: String

Pattern: `[0-9a-f]{32}`

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

TagResource

Tags a resource using the resource's ARN and desired tags.

Request Syntax

```
POST /2023-10-12/tags/resourceArn HTTP/1.1
Content-type: application/json

{
   "tags": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource to apply tags to.

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

Each tag consists of a tag key and a tag value. Tag keys and values are both required, but tag values can be empty strings.

Type: String to string map

Required: No

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UntagResource

Removes a tag from a resource using the resource's ARN and tag to remove.

Request Syntax

```
DELETE /2023-10-12/tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource to remove the tag from.

Required: Yes

tagKeys

They keys of the tag.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateBudget

Updates a budget that sets spending thresholds for rendering activity.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/budgets/budgetId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "actionsToAdd": [
      {
         "description": "string",
         "thresholdPercentage": number,
         "type": "string"
      }
   ],
   "actionsToRemove": [
      {
         "thresholdPercentage": number,
         "type": "string"
      }
   ],
   "approximateDollarLimit": number,
   "description": "string",
   "displayName": "string",
   "schedule": { ... },
   "status": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

budgetId

The budget ID to update.

Pattern: budget-[0-9a-f]{32}

Required: Yes

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the budget to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

actionsToAdd

The budget actions to add. Budget actions specify what happens when the budget runs out.

Type: Array of BudgetActionToAdd objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

actionsToRemove

The budget actions to remove from the budget.

Type: Array of BudgetActionToRemove objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

approximateDollarLimit

The dollar limit to update on the budget. Based on consumed usage.

Type: Float

Valid Range: Minimum value of 0.01.

Required: No

description

The description of the budget to update.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The display name of the budget to update.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

schedule

The schedule to update.

Type: BudgetSchedule object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

status

Updates the status of the budget.

- ACTIVE–The budget is being evaluated.
- INACTIVE–The budget is inactive. This can include Expired, Canceled, or deleted Deleted statuses.

Type: String

Valid Values: ACTIVE | INACTIVE

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateFarm

Updates a farm.

Request Syntax

```
PATCH /2023-10-12/farms/farmId HTTP/1.1
Content-type: application/json

{
   "costScaleFactor": number,
   "description": "string",
   "displayName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

costScaleFactor

A multiplier applied to the farm's calculated costs for usage data and budget tracking. A value less than 1 represents a discount, a value greater than 1 represents a premium, and a value of 1 represents no adjustment.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

description

The description of the farm to update.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The display name of the farm to update.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3

- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateFleet

Updates a fleet.

> **Note**
>
> Workers that are running when you call `UpdateFleet` keep the instance type and capabilities that they launched with until they scale in. Deadline Cloud can schedule jobs that you submit after the update on these existing workers, so the new configuration might not take effect immediately. To make sure that all workers use the new configuration, set `maxWorkerCount` to 0, use the `ListWorkers` operation to confirm that the fleet has no workers, and then restore `maxWorkerCount`.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/fleets/fleetId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "configuration": { ... },
   "description": "string",
   "displayName": "string",
   "hostConfiguration": {
      "scriptBody": "string",
      "scriptTimeoutSeconds": number
   },
   "maxWorkerCount": number,
   "minWorkerCount": number,
   "roleArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID to update.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

configuration

The fleet configuration to update.

Type: FleetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

description

The description of the fleet to update.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The display name of the fleet to update.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

hostConfiguration

Provides a script that runs as a worker is starting up that you can use to provide additional configuration for workers in your fleet.

Type: HostConfiguration object

Required: No

maxWorkerCount

The maximum number of workers in the fleet.

Deadline Cloud limits the number of workers to less than or equal to the fleet's maximum worker count. The service maintains eventual consistency for the worker count. If you make multiple rapid calls to `CreateWorker` before the field updates, you might exceed your fleet's maximum worker count. For example, if your `maxWorkerCount` is 10 and you currently have 9 workers, making two quick `CreateWorker` calls might successfully create 2 workers instead of 1, resulting in 11 total workers.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

minWorkerCount

The minimum number of workers in the fleet.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

roleArn

The IAM role ARN that the fleet's workers assume while running jobs.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ServiceQuotaExceededException

You exceeded your service quota. Service quotas, also referred to as limits, are the maximum number of service resources or operations for your AWS account.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that has been exceeded.

reason

A string that describes the reason the quota was exceeded.

resourceId

The identifier of the affected resource.

resourceType

The type of the affected resource

serviceCode

Identifies the service that exceeded the quota.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateJob

Updates a job.

When you change the status of the job to ARCHIVED, the job can't be scheduled or archived.

> **Important**
>
> An archived jobs and its steps and tasks are deleted after 120 days. The job can't be recovered.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/queues/queueId/jobs/jobId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "description": "string",
   "lifecycleStatus": "string",
   "maxFailedTasksCount": number,
   "maxRetriesPerTask": number,
   "maxWorkerCount": number,
   "name": "string",
   "priority": number,
   "targetTaskRunStatus": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the job to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to update.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the job to update.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

The updated job description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

lifecycleStatus

The status of a job in its lifecycle. When you change the status of the job to `ARCHIVED`, the job can't be scheduled or archived.

> **Important**
>
> An archived jobs and its steps and tasks are deleted after 120 days. The job can't be recovered.

Type: String

Valid Values: `ARCHIVED`

Required: No

maxFailedTasksCount

The number of task failures before the job stops running and is marked as `FAILED`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxRetriesPerTask

The maximum number of retries for a job.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxWorkerCount

The maximum number of worker hosts that can concurrently process a job. When the `maxWorkerCount` is reached, no more workers will be assigned to process the job, even if the fleets assigned to the job's queue has available workers.

You can't set the `maxWorkerCount` to 0. If you set it to -1, there is no maximum number of workers.

If you don't specify the `maxWorkerCount`, the default is -1.

The maximum number of workers that can process tasks in the job.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

Required: No

name

The updated job name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

priority

The updated job priority.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

targetTaskRunStatus

The task status to update the job's tasks to.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateLimit

Updates the properties of the specified limit.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/limits/limitId HTTP/1.1
Content-type: application/json

{
   "description": "string",
   "displayName": "string",
   "maxCount": number
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The unique identifier of the farm that contains the limit.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

limitId

The unique identifier of the limit to update.

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

The new description of the limit.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The new display name of the limit.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

maxCount

The maximum number of resources constrained by this limit. When all of the resources are in use, steps that require the limit won't be scheduled until the resource is available.

If more than the new maximum number is currently in use, running jobs finish but no new jobs are started until the number of resources in use is below the new maximum number.

The `maxCount` must not be 0. If the value is -1, there is no restriction on the number of resources that can be acquired for this limit.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateMonitor

Modifies the settings for a Deadline Cloud monitor. You can modify one or all of the settings when you call `UpdateMonitor`.

Request Syntax

```
PATCH /2023-10-12/monitors/monitorId HTTP/1.1
Content-type: application/json

{
   "displayName": "string",
   "roleArn": "string",
   "subdomain": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

monitorId

The unique identifier of the monitor to update.

Pattern: `monitor-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

displayName

The new value to use for the monitor's display name.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

roleArn

The Amazon Resource Name of the new IAM role to use with the monitor.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

Required: No

subdomain

The new value of the subdomain to use when forming the monitor URL.

Type: String

Pattern: `[a-z0-9-]{1,100}`

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateMonitorSettings

Updates the settings for a Deadline Cloud monitor. Keys present in the request are upserted; keys absent are left unchanged. Send an empty string value to delete a key.

Request Syntax

```
PATCH /2023-10-12/monitors/monitorId/settings HTTP/1.1
Content-type: application/json

{
   "settings": {
      "string" : "string"
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

monitorId

The unique identifier of the monitor to update settings for.

Pattern: `monitor-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

settings

The monitor settings to update as key-value pairs. Keys present in the request are upserted; keys absent are left unchanged. Send an empty string value to delete a key.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 64 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

Key Pattern: `[a-zA-Z][a-zA-Z0-9_.:-]*`

Value Length Constraints: Minimum length of 0. Maximum length of 8192.

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateQueue

Updates a queue.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/queues/queueId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "allowedStorageProfileIdsToAdd": [ "string" ],
   "allowedStorageProfileIdsToRemove": [ "string" ],
   "defaultBudgetAction": "string",
   "description": "string",
   "displayName": "string",
   "jobAttachmentSettings": {
      "rootPrefix": "string",
      "s3BucketName": "string"
   },
   "jobRunAsUser": {
      "posix": {
         "group": "string",
         "user": "string"
      },
      "runAs": "string",
      "windows": {
         "passwordArn": "string",
         "user": "string"
      }
   },
   "requiredFileSystemLocationNamesToAdd": [ "string" ],
   "requiredFileSystemLocationNamesToRemove": [ "string" ],
   "roleArn": "string",
   "schedulingConfiguration": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The idempotency token to update in the queue.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID to update in the queue.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID to update.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

allowedStorageProfileIdsToAdd

The storage profile IDs to add.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Pattern: `sp-[0-9a-f]{32}`

Required: No

allowedStorageProfileIdsToRemove

The storage profile ID to remove.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Pattern: `sp-[0-9a-f]{32}`

Required: No

defaultBudgetAction

The default action to take for a queue update if a budget isn't configured.

Type: String

Valid Values: `NONE | STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS`

Required: No

description

The description of the queue to update.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

displayName

The display name of the queue to update.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

jobAttachmentSettings

The job attachment settings to update for the queue.

Type: JobAttachmentSettings object

Required: No

jobRunAsUser

Update the jobs in the queue to run as a specified POSIX user.

Type: JobRunAsUser object

Required: No

requiredFileSystemLocationNamesToAdd

The required file system location names to add to the queue.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[0-9A-Za-z ]*`

Required: No

requiredFileSystemLocationNamesToRemove

The required file system location names to remove from the queue.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[0-9A-Za-z ]*`

Required: No

roleArn

The IAM role ARN that's used to run jobs from this queue.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

Required: No

schedulingConfiguration

The scheduling configuration for the queue. This configuration determines how workers are assigned to jobs in the queue.

When updating the scheduling configuration, the entire configuration is replaced.

In-progress tasks run to completion before the new scheduling configuration takes effect.

Type: SchedulingConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateQueueEnvironment

Updates the queue environment.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/queues/queueId/environments/queueEnvironmentId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "priority": number,
   "template": "string",
   "templateType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID of the queue environment to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueEnvironmentId

The queue environment ID to update.

Pattern: `queueenv-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the queue environment to update.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

priority

The priority to update.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: No

template

The template to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 15000.

Required: No

templateType

The template type to update.

Type: String

Valid Values: `JSON | YAML`

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++

- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateQueueFleetAssociation

Updates a queue-fleet association.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/queue-fleet-associations/queueId/fleetId HTTP/1.1
Content-type: application/json

{
   "status": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID to update.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID to update.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

status

The status to update.

Type: String

Valid Values: `ACTIVE | STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateQueueLimitAssociation

Updates the status of the queue. If you set the status to one of the `STOP_LIMIT_USAGE*` values, there will be a delay before the status transitions to the `STOPPED` state.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/queue-limit-associations/queueId/limitId HTTP/1.1
Content-type: application/json

{
   "status": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The unique identifier of the farm that contains the associated queues and limits.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

limitId

The unique identifier of the limit associated to the queue.

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

queueId

The unique identifier of the queue associated to the limit.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

status

Sets the status of the limit. You can mark the limit active, or you can stop usage of the limit and either complete existing tasks or cancel any existing tasks immediately.

Type: String

Valid Values: `ACTIVE | STOP_LIMIT_USAGE_AND_COMPLETE_TASKS | STOP_LIMIT_USAGE_AND_CANCEL_TASKS`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateSession

Updates a session.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/sessions/sessionId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "targetLifecycleStatus": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID to update in the session.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to update in the session.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID to update in the session.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionId

The session ID to update.

Pattern: `session-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

targetLifecycleStatus

The life cycle status to update in the session.

Type: String

Valid Values: `ENDED`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateStep

Updates a step.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/steps/stepId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "targetTaskRunStatus": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to update.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID to update.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID to update.

Pattern: `step-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

targetTaskRunStatus

The task status to update the step's tasks to.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateStorageProfile

Updates a storage profile.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/storage-profiles/storageProfileId HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "displayName": "string",
   "fileSystemLocationsToAdd": [
      {
         "name": "string",
         "path": "string",
         "type": "string"
      }
   ],
   "fileSystemLocationsToRemove": [
      {
         "name": "string",
         "path": "string",
         "type": "string"
      }
   ],
   "osFamily": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

storageProfileId

The storage profile ID to update.

Pattern: `sp-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

displayName

The display name of the storage profile to update.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

fileSystemLocationsToAdd

The file system location names to add.

Type: Array of FileSystemLocation objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

fileSystemLocationsToRemove

The file system location names to remove.

Type: Array of FileSystemLocation objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

osFamily

The OS system to update.

Type: String

Valid Values: `WINDOWS | LINUX | MACOS`

Required: No

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateTask

Updates a task.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/queues/queueId/jobs/jobId/steps/stepId/tasks/taskId
 HTTP/1.1
X-Amz-Client-Token: clientToken
Content-type: application/json

{
   "targetRunStatus": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

clientToken

The unique token which the server uses to recognize retries of the same request.

Length Constraints: Minimum length of 1. Maximum length of 64.

farmId

The farm ID to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID to update.

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID to update.

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID to update.

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskId

The task ID to update.

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

Request Body

The request accepts the following data in JSON format.

targetRunStatus

The run status with which to start the task.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateWorker

Updates a worker.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/fleets/fleetId/workers/workerId HTTP/1.1
Content-type: application/json

{
   "capabilities": {
      "amounts": [
         {
            "name": "string",
            "value": number
         }
      ],
      "attributes": [
         {
            "name": "string",
            "values": [ "string" ]
         }
      ]
   },
   "hostProperties": {
      "hostName": "string",
      "ipAddresses": {
         "ipV4Addresses": [ "string" ],
         "ipV6Addresses": [ "string" ]
      }
   },
   "status": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID to update.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

workerId

The worker ID to update.

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

capabilities

The worker capabilities to update.

Type: WorkerCapabilities object

Required: No

hostProperties

The host properties to update.

Type: HostPropertiesRequest object

Required: No

status

The worker status to update.

Type: String

Valid Values: `STARTED | STOPPING | STOPPED`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "hostConfiguration": {
      "scriptBody": "string",
      "scriptTimeoutSeconds": number
   },
   "log": {
      "error": "string",
      "logDriver": "string",
      "options": {
         "string" : "string"
      },
      "parameters": {
         "string" : "string"
      }
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

hostConfiguration

The script that runs as a worker is starting up that you can use to provide additional configuration for workers in your fleet.

Type: HostConfiguration object

log

The worker log to update.

Type: LogConfiguration object

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

UpdateWorkerSchedule

Updates the schedule for a worker.

Request Syntax

```
PATCH /2023-10-12/farms/farmId/fleets/fleetId/workers/workerId/schedule HTTP/1.1
Content-type: application/json

{
   "updatedSessionActions": {
      "string" : {
         "completedStatus": "string",
         "endedAt": "string",
         "manifests": [
            {
               "outputManifestHash": "string",
               "outputManifestPath": "string"
            }
         ],
         "processExitCode": number,
         "progressMessage": "string",
         "progressPercent": number,
         "startedAt": "string",
         "updatedAt": "string"
      }
   }
}
```

URI Request Parameters

The request uses the following URI parameters.

farmId

The farm ID to update.

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID to update.

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

workerId

The worker ID to update.

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

updatedSessionActions

The session actions associated with the worker schedule to update.

Type: String to UpdatedSessionActionInfo object map

Key Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "assignedSessions": {
      "string" : {
         "jobId": "string",
         "logConfiguration": {
            "error": "string",
            "logDriver": "string",
```

```
            "options": {
               "string" : "string"
            },
            "parameters": {
               "string" : "string"
            }
         },
         "queueId": "string",
         "sessionActions": [
            {
               "definition": { ... },
               "sessionActionId": "string"
            }
         ]
      }
   },
   "cancelSessionActions": {
      "string" : [ "string" ]
   },
   "desiredWorkerStatus": "string",
   "updateIntervalSeconds": number
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

assignedSessions

The assigned sessions to update.

Type: String to AssignedSession object map

Key Pattern: `session-[0-9a-f]{32}`

cancelSessionActions

The session actions associated with the worker schedule to cancel.

Type: String to array of strings map

Key Pattern: `session-[0-9a-f]{32}`

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

desiredWorkerStatus

The status to update the worker to.

Type: String

Valid Values: STOPPED

updateIntervalSeconds

Updates the time interval (in seconds) for the schedule.

Type: Integer

Valid Range: Minimum value of 0.

Errors

For information about the errors that are common to all actions, see Common Error Types.

AccessDeniedException

You don't have permission to perform the action.

context

Information about the resources in use when the exception was thrown.

HTTP Status Code: 403

ConflictException

Your request has conflicting operations. This can occur if you're trying to perform more than one operation on the same resource at the same time.

context

Information about the resources in use when the exception was thrown.

reason

A description of the error.

resourceId

The identifier of the resource in use.

resourceType

The type of the resource in use.

HTTP Status Code: 409

InternalServerErrorException

Deadline Cloud can't process your request right now. Try again later.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

context

Information about the resources in use when the exception was thrown.

resourceId

The identifier of the resource that couldn't be found.

resourceType

The type of the resource that couldn't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

context

Information about the resources in use when the exception was thrown.

quotaCode

Identifies the quota that is being throttled.

retryAfterSeconds

The number of seconds a client should wait before retrying the request.

serviceCode

Identifies the service that is being throttled.

HTTP Status Code: 429

ValidationException

The request isn't valid. This can occur if your request contains malformed JSON or unsupported characters.

context

Information about the resources in use when the exception was thrown.

fieldList

A list of fields that failed validation.

reason

The reason that the request failed validation.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3

- AWS SDK for Python (Boto3)
- AWS SDK for Ruby V3

Data Types

The AWSDeadlineCloud API contains several data types that various actions use. This section describes each data type in detail.

> **Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- AcceleratorCapabilities
- AcceleratorCountRange
- AcceleratorSelection
- AcceleratorTotalMemoryMiBRange
- AcquiredLimit
- AssignedEnvironmentEnterSessionActionDefinition
- AssignedEnvironmentExitSessionActionDefinition
- AssignedSession
- AssignedSessionAction
- AssignedSessionActionDefinition
- AssignedSyncInputJobAttachmentsSessionActionDefinition
- AssignedTaskRunSessionActionDefinition
- Attachments
- AwsCredentials
- BatchGetJobError
- BatchGetJobIdentifier
- BatchGetJobItem
- BatchGetSessionActionError
- BatchGetSessionActionIdentifier
- BatchGetSessionActionItem

- BatchGetSessionError
- BatchGetSessionIdentifier
- BatchGetSessionItem
- BatchGetStepError
- BatchGetStepIdentifier
- BatchGetStepItem
- BatchGetTaskError
- BatchGetTaskIdentifier
- BatchGetTaskItem
- BatchGetWorkerError
- BatchGetWorkerIdentifier
- BatchGetWorkerItem
- BatchUpdateJobError
- BatchUpdateJobItem
- BatchUpdateTaskError
- BatchUpdateTaskItem
- BudgetActionToAdd
- BudgetActionToRemove
- BudgetSchedule
- BudgetSummary
- ConsumedUsages
- CustomerManagedAutoScalingConfiguration
- CustomerManagedFleetConfiguration
- CustomerManagedWorkerCapabilities
- DateTimeFilterExpression
- DependencyCounts
- Ec2EbsVolume
- EnvironmentDetailsEntity
- EnvironmentDetailsError
- EnvironmentDetailsIdentifiers

- EnvironmentEnterSessionActionDefinition
- EnvironmentEnterSessionActionDefinitionSummary
- EnvironmentExitSessionActionDefinition
- EnvironmentExitSessionActionDefinitionSummary
- FarmMember
- FarmSummary
- FieldSortExpression
- FileSystemLocation
- FixedBudgetSchedule
- FleetAmountCapability
- FleetAttributeCapability
- FleetCapabilities
- FleetConfiguration
- FleetMember
- FleetSummary
- GetJobEntityError
- HostConfiguration
- HostPropertiesRequest
- HostPropertiesResponse
- IpAddresses
- JobAttachmentDetailsEntity
- JobAttachmentDetailsError
- JobAttachmentDetailsIdentifiers
- JobAttachmentSettings
- JobDetailsEntity
- JobDetailsError
- JobDetailsIdentifiers
- JobDetailsJobAttachmentSettings
- JobEntity
- JobEntityIdentifiersUnion

- JobMember
- JobParameter
- JobRunAsUser
- JobSearchSummary
- JobSummary
- LicenseEndpointSummary
- LimitSummary
- LogConfiguration
- ManifestProperties
- MemoryMiBRange
- MeteredProductSummary
- MonitorSummary
- ParameterFilterExpression
- ParameterSortExpression
- ParameterSpace
- PathMappingRule
- PersistentVolumeConfiguration
- PosixUser
- PriorityBalancedSchedulingConfiguration
- PriorityFifoSchedulingConfiguration
- QueueEnvironmentSummary
- QueueFleetAssociationSummary
- QueueLimitAssociationSummary
- QueueMember
- QueueSummary
- ResponseBudgetAction
- S3Location
- SchedulingConfiguration
- SchedulingMaxPriorityOverride
- SchedulingMaxPriorityOverrideAlwaysScheduleFirst

- SchedulingMinPriorityOverride
- SchedulingMinPriorityOverrideAlwaysScheduleLast
- SearchFilterExpression
- SearchGroupedFilterExpressions
- SearchSortExpression
- SearchTermFilterExpression
- ServiceManagedEc2AutoScalingConfiguration
- ServiceManagedEc2FleetConfiguration
- ServiceManagedEc2InstanceCapabilities
- ServiceManagedEc2InstanceMarketOptions
- SessionActionDefinition
- SessionActionDefinitionSummary
- SessionActionSummary
- SessionsStatisticsResources
- SessionSummary
- Statistics
- Stats
- StepAmountCapability
- StepAttributeCapability
- StepConsumer
- StepDependency
- StepDetailsEntity
- StepDetailsError
- StepDetailsIdentifiers
- StepParameter
- StepParameterChunks
- StepRequiredCapabilities
- StepSearchSummary
- StepSummary
- StorageProfileSummary

- StringFilterExpression
- StringListFilterExpression
- SyncInputJobAttachmentsSessionActionDefinition
- SyncInputJobAttachmentsSessionActionDefinitionSummary
- TaskParameterValue
- TaskRunManifestPropertiesRequest
- TaskRunManifestPropertiesResponse
- TaskRunSessionActionDefinition
- TaskRunSessionActionDefinitionSummary
- TaskSearchSummary
- TaskSummary
- UpdatedSessionActionInfo
- UsageTrackingResource
- UserJobsFirst
- ValidationExceptionField
- VCpuCountRange
- VolumeSummary
- VpcConfiguration
- WeightedBalancedSchedulingConfiguration
- WindowsUser
- WorkerAmountCapability
- WorkerAttributeCapability
- WorkerCapabilities
- WorkerSearchSummary
- WorkerSessionSummary
- WorkerSummary

AcceleratorCapabilities

Provides information about the GPU accelerators used for jobs processed by a fleet.

Important

Accelerator capabilities cannot be used with wait-and-save fleets. If you specify accelerator capabilities, you must use either spot or on-demand instance market options.

Note

Each accelerator type maps to specific EC2 instance families:

- `t4`: Uses G4dn instance family
- `a10g`: Uses G5 instance family
- `l4`: Uses G6 and Gr6 instance families
- `l40s`: Uses G6e instance family
- `rtx-pro-server-6000`: Uses G7e instance family

Contents

selections

A list of accelerator capabilities requested for this fleet. Only Amazon Elastic Compute Cloud instances that provide these capabilities will be used. For example, if you specify both L4 and T4 chips, AWS Deadline Cloud will use Amazon EC2 instances that have either the L4 or the T4 chip installed.

Important

- You must specify at least one accelerator selection.
- You cannot specify the same accelerator name multiple times in the selections list.
- All accelerators in the selections must use the same runtime version.

Type: Array of AcceleratorSelection objects

Required: Yes

count

The number of GPU accelerators specified for worker hosts in this fleet.

> **Important**
>
> You must specify either `acceleratorCapabilities.count.max` or `allowedInstanceTypes` when using accelerator capabilities. If you don't specify a maximum count, AWS Deadline Cloud uses the instance types you specify in `allowedInstanceTypes` to determine the maximum number of accelerators.

Type: AcceleratorCountRange object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AcceleratorCountRange

Defines the maximum and minimum number of GPU accelerators required for a worker instance..

Contents

min

The minimum number of GPU accelerators in the worker host.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

max

The maximum number of GPU accelerators in the worker host.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AcceleratorSelection

Describes a specific GPU accelerator required for an Amazon Elastic Compute Cloud worker host.

Contents

name

The name of the chip used by the GPU accelerator.

The available GPU accelerators are:

- `t4` - NVIDIA T4 Tensor Core GPU (16 GiB memory)
- `a10g` - NVIDIA A10G Tensor Core GPU (24 GiB memory)
- `l4` - NVIDIA L4 Tensor Core GPU (24 GiB memory)
- `l40s` - NVIDIA L40S Tensor Core GPU (48 GiB memory)
- `rtx-pro-server-6000` - NVIDIA RTX PRO Server 6000 GPU (96 GiB memory)

Type: String

Valid Values: `t4 | a10g | l4 | l40s | rtx-pro-server-6000`

Required: Yes

runtime

Specifies the runtime driver to use for the GPU accelerator. You must use the same runtime for all GPUs in a fleet.

You can choose from the following runtimes:

- `latest` - Use the latest runtime available for the chip. If you specify `latest` and a new version of the runtime is released, the new version of the runtime is used.
- `grid:r580` - NVIDIA vGPU software 19
- `grid:r570` - NVIDIA vGPU software 18
- `grid:r535` - NVIDIA vGPU software 16

If you don't specify a runtime, AWS Deadline Cloud uses `latest` as the default. However, if you have multiple accelerators and specify `latest` for some and leave others blank, AWS Deadline Cloud raises an exception.

Important

Not all runtimes are compatible with all accelerator types:

- `t4` and `a10g`: Support all runtimes (`grid:r580`, `grid:r570`, `grid:r535`)
- `l4` and `l40s`: Only support `grid:r570` and newer
- `rtx-pro-server-6000`: Only supports `grid:r580`

All accelerators in a fleet must use the same runtime version. You cannot mix different runtime versions within a single fleet.

Note

When you specify `latest`, it resolves to `grid:r580` for all currently supported accelerators.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AcceleratorTotalMemoryMiBRange

Defines the maximum and minimum amount of memory, in MiB, to use for the accelerator.

Contents

min

The minimum amount of memory to use for the accelerator, measured in MiB.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

max

The maximum amount of memory to use for the accelerator, measured in MiB.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AcquiredLimit

Provides information about the number of resources used.

Contents

count

The number of limit resources used.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 2147483647.

Required: Yes

limitId

The unique identifier of the limit.

Type: String

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AssignedEnvironmentEnterSessionActionDefinition

The assigned starting environment for a worker during session.

Contents

environmentId

The environment ID of the assigned environment at the start of a session.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(STEP:step-[0-9a-f]{32}:.*)|(JOB:job-[0-9a-f]{32}:.*)`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AssignedEnvironmentExitSessionActionDefinition

The assigned environment when a worker exits a session.

Contents

environmentId

The environment ID of the assigned environment when exiting a session.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(STEP:step-[0-9a-f]{32}:.*)|(JOB:job-[0-9a-f]{32}:.*)`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AssignedSession

The assigned session for the worker.

Contents

jobId

The job ID for the assigned session.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

logConfiguration

The log configuration for the worker's assigned session.

Type: LogConfiguration object

Required: Yes

queueId

The queue ID of the assigned session.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionActions

The session actions to apply to the assigned session.

Type: Array of AssignedSessionAction objects

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AssignedSessionAction

The action for a session defined by the session action ID.

Contents

definition

The definition of the assigned session action.

Type: AssignedSessionActionDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

sessionActionId

The session action ID for the assigned session.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AssignedSessionActionDefinition

The definition of the assigned session action.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

envEnter

The environment a session starts on.

Type: AssignedEnvironmentEnterSessionActionDefinition object

Required: No

envExit

The environment a session exits from.

Type: AssignedEnvironmentExitSessionActionDefinition object

Required: No

syncInputJobAttachments

The job attachments to sync for the assigned session action.

Type: AssignedSyncInputJobAttachmentsSessionActionDefinition object

Required: No

taskRun

The task run.

Type: AssignedTaskRunSessionActionDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AssignedSyncInputJobAttachmentsSessionActionDefinition

The assigned session action definition for syncing input job attachments.

Contents

stepId

The step ID for the assigned sync input job attachments session action.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AssignedTaskRunSessionActionDefinition

The specific task, step, and parameters to include.

Contents

parameters

The parameters to include.

Type: String to TaskParameterValue object map

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskId

The task ID.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Attachments

The job attachments.

Contents

manifests

The manifest properties for the attachments.

Type: Array of ManifestProperties objects

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Required: Yes

fileSystem

The file system location for the attachments.

Type: String

Valid Values: `COPIED | VIRTUAL`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AwsCredentials

The AWS Identity and Access Management credentials.

Contents

accessKeyId

The IAM access key ID.

Type: String

Required: Yes

expiration

The expiration date and time of the IAM credentials.

Type: Timestamp

Required: Yes

secretAccessKey

The IAM secret access key.

Type: String

Required: Yes

sessionToken

The IAM session token

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetJobError

The error details for a job that could not be retrieved in a batch get operation.

Contents

code

The error code.

Type: String

Valid Values: `InternalServerErrorException | ResourceNotFoundException | ValidationException | AccessDeniedException | ThrottlingException`

Required: Yes

farmId

The farm ID of the job that could not be retrieved.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the job that could not be retrieved.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message.

Type: String

Required: Yes

queueId

The queue ID of the job that could not be retrieved.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetJobIdentifier

The identifiers for a job.

Contents

farmId

The farm ID of the job.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the job.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

BatchGetJobItem

The details of a job returned in a batch get operation.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

farmId

The farm ID of the job.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

lifecycleStatus

The life cycle status of the job.

Type: String

Valid Values: `CREATE_IN_PROGRESS | CREATE_FAILED | CREATE_COMPLETE | UPLOAD_IN_PROGRESS | UPLOAD_FAILED | UPDATE_IN_PROGRESS | UPDATE_FAILED | UPDATE_SUCCEEDED | ARCHIVED`

Required: Yes

lifecycleStatusMessage

A message that communicates the status of the life cycle.

Type: String

Required: Yes

name

The name of the job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

priority

The job priority.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: Yes

queueId

The queue ID of the job.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

attachments

The attachments for the job.

Type: Attachments object

Required: No

description

The description of the job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

maxFailedTasksCount

The number of task failures before the job stops running and is marked as `FAILED`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxRetriesPerTask

The maximum number of retries per failed tasks.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxWorkerCount

The maximum number of worker hosts that can concurrently process a job.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

Required: No

parameters

The parameters for the job.

Type: String to JobParameter object map

Key Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

sourceJobId

The job ID for the source job.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

storageProfileId

The storage profile ID associated with the job.

Type: String

Pattern: `sp-[0-9a-f]{32}`

Required: No

targetTaskRunStatus

The task status to start with on the job.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

taskFailureRetryCount

The number of times that tasks failed and were retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

taskRunStatus

The task run status for the job.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: No

taskRunStatusCounts

The number of tasks for each run status for the job.

Type: String to integer map

Valid Keys: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetSessionActionError

The error details for a session action that could not be retrieved in a batch get operation.

Contents

code

The error code.

Type: String

Valid Values: `InternalServerErrorException | ResourceNotFoundException | ValidationException`

Required: Yes

farmId

The farm ID of the session action that could not be retrieved.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the session action that could not be retrieved.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message.

Type: String

Required: Yes

queueId

The queue ID of the session action that could not be retrieved.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionActionId

The session action ID of the session action that could not be retrieved.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetSessionActionIdentifier

The identifiers for a session action.

Contents

farmId

The farm ID of the session action.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the session action.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the session action.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionActionId

The session action ID.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetSessionActionItem

The details of a session action returned in a batch get operation.

Contents

definition

The session action definition.

Type: SessionActionDefinition object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

farmId

The farm ID of the session action.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the session action.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the session action.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionActionId

The session action ID.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

sessionId

The session ID for the session action.

Type: String

Pattern: `session-[0-9a-f]{32}`

Required: Yes

status

The status of the session action.

Type: String

Valid Values: `ASSIGNED | RUNNING | CANCELING | SUCCEEDED | FAILED | INTERRUPTED | CANCELED | NEVER_ATTEMPTED | SCHEDULED | RECLAIMING | RECLAIMED`

Required: Yes

acquiredLimits

The limits that were acquired for the session action.

Type: Array of AcquiredLimit objects

Required: No

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

manifests

The manifests for the session action.

Type: Array of TaskRunManifestPropertiesResponse objects

Required: No

processExitCode

The exit code to apply to the session action.

Type: Integer

Valid Range: Minimum value of -2147483648. Maximum value of 2147483647.

Required: No

progressMessage

The message that communicates the progress of the session action.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

progressPercent

The completion percentage for the session action.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

workerUpdatedAt

The date and time the resource was updated by a worker.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetSessionError

The error details for a session that could not be retrieved in a batch get operation.

Contents

code

The error code.

Type: String

Valid Values: `InternalServerErrorException | ResourceNotFoundException | ValidationException`

Required: Yes

farmId

The farm ID of the session that could not be retrieved.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the session that could not be retrieved.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message.

Type: String

Required: Yes

queueId

The queue ID of the session that could not be retrieved.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionId

The session ID of the session that could not be retrieved.

Type: String

Pattern: `session-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetSessionIdentifier

The identifiers for a session.

Contents

farmId

The farm ID of the session.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the session.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the session.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionId

The session ID.

Type: String

Pattern: `session-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetSessionItem

The details of a session returned in a batch get operation.

Contents

farmId

The farm ID of the session.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the session.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the session.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

lifecycleStatus

The life cycle status of the session.

Type: String

Valid Values: `STARTED | UPDATE_IN_PROGRESS | UPDATE_SUCCEEDED | UPDATE_FAILED | ENDED`

Required: Yes

log

The session log.

Type: LogConfiguration object

Required: Yes

queueId

The queue ID of the session.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionId

The session ID.

Type: String

Pattern: `session-[0-9a-f]{32}`

Required: Yes

startedAt

The date and time the resource started running.

Type: Timestamp

Required: Yes

workerId

The worker ID of the session.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

hostProperties

The host properties for the session.

Type: HostPropertiesResponse object

Required: No

targetLifecycleStatus

The target life cycle status for the session.

Type: String

Valid Values: ENDED

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

workerLog

The worker log for the session.

Type: LogConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetStepError

The error details for a step that could not be retrieved in a batch get operation.

Contents

code

The error code.

Type: String

Valid Values: `InternalServerErrorException | ResourceNotFoundException | ValidationException | AccessDeniedException | ThrottlingException`

Required: Yes

farmId

The farm ID of the step that could not be retrieved.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the step that could not be retrieved.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message.

Type: String

Required: Yes

queueId

The queue ID of the step that could not be retrieved.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID of the step that could not be retrieved.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetStepIdentifier

The identifiers for a step.

Contents

farmId

The farm ID of the step.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the step.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the step.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetStepItem

The details of a step returned in a batch get operation.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

farmId

The farm ID of the step.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the step.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

lifecycleStatus

The life cycle status of the step.

Type: String

Valid Values: `CREATE_COMPLETE | UPDATE_IN_PROGRESS | UPDATE_FAILED | UPDATE_SUCCEEDED`

Required: Yes

name

The name of the step.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

queueId

The queue ID of the step.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskRunStatus

The task run status for the step.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: Yes

taskRunStatusCounts

The number of tasks for each run status for the step.

Type: String to integer map

Valid Keys: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: Yes

dependencyCounts

The number of dependencies for the step.

Type: DependencyCounts object

Required: No

description

The description of the step.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

lifecycleStatusMessage

A message that communicates the status of the life cycle.

Type: String

Required: No

parameterSpace

The parameter space for the step.

Type: ParameterSpace object

Required: No

requiredCapabilities

The required capabilities for the step.

Type: StepRequiredCapabilities object

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

targetTaskRunStatus

The task status to start with on the step.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

taskFailureRetryCount

The number of times that tasks failed and were retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetTaskError

The error details for a task that could not be retrieved in a batch get operation.

Contents

code

The error code.

Type: String

Valid Values: `InternalServerErrorException | ResourceNotFoundException | ValidationException | AccessDeniedException | ThrottlingException`

Required: Yes

farmId

The farm ID of the task that could not be retrieved.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the task that could not be retrieved.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message.

Type: String

Required: Yes

queueId

The queue ID of the task that could not be retrieved.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID of the task that could not be retrieved.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskId

The task ID of the task that could not be retrieved.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetTaskIdentifier

The identifiers for a task.

Contents

farmId

The farm ID of the task.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the task.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the task.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID of the task.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskId

The task ID.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetTaskItem

The details of a task returned in a batch get operation.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

farmId

The farm ID of the task.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the task.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the task.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

runStatus

The run status of the task.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: Yes

stepId

The step ID of the task.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskId

The task ID.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

failureRetryCount

The number of times the task failed and was retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

latestSessionActionId

The latest session action for the task.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: No

parameters

The parameters for the task.

Type: String to TaskParameterValue object map

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

targetRunStatus

The run status with which to start the task.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetWorkerError

The error details for a worker that could not be retrieved in a batch get operation.

Contents

code

The error code.

Type: String

Valid Values: `InternalServerErrorException | ResourceNotFoundException | ValidationException`

Required: Yes

farmId

The farm ID of the worker that could not be retrieved.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the worker that could not be retrieved.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

message

The error message.

Type: String

Required: Yes

workerId

The worker ID of the worker that could not be retrieved.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchGetWorkerIdentifier

The identifiers for a worker.

Contents

farmId

The farm ID of the worker.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the worker.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

workerId

The worker ID.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

BatchGetWorkerItem

The details of a worker returned in a batch get operation.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

farmId

The farm ID of the worker.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the worker.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

status

The status of the worker.

Type: String

Valid Values: `CREATED | STARTED | STOPPING | STOPPED | NOT_RESPONDING | NOT_COMPATIBLE | RUNNING | IDLE`

Required: Yes

workerId

The worker ID.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

hostProperties

The host properties for the worker.

Type: HostPropertiesResponse object

Required: No

log

The log configuration for the worker.

Type: LogConfiguration object

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchUpdateJobError

The error details for a job that could not be updated in a batch update operation.

Contents

code

The error code.

Type: String

Valid Values: `ConflictException | InternalServerErrorException | ResourceNotFoundException | ValidationException | AccessDeniedException | ThrottlingException`

Required: Yes

farmId

The farm ID of the job that could not be updated.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the job that could not be updated.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message.

Type: String

Required: Yes

queueId

The queue ID of the job that could not be updated.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchUpdateJobItem

The details of a job to update in a batch update operation.

Contents

farmId

The farm ID of the job to update.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the job to update.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the job to update.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

description

The description of the job to update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Required: No

lifecycleStatus

The status of a job in its lifecycle. When you change the status of the job to `ARCHIVED`, the job can't be scheduled or archived.

> **Important**
>
> An archived job and its steps and tasks are deleted after 120 days. The job can't be recovered.

Type: String

Valid Values: `ARCHIVED`

Required: No

maxFailedTasksCount

The number of task failures before the job stops running and is marked as `FAILED`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxRetriesPerTask

The maximum number of retries per failed tasks.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxWorkerCount

The maximum number of worker hosts that can concurrently process a job.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

Required: No

name

The name of the job to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

priority

The job priority to update.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

targetTaskRunStatus

The task status to update the job's tasks to.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchUpdateTaskError

The error details for a task that could not be updated in a batch update operation.

Contents

code

The error code.

Type: String

Valid Values: `ConflictException | InternalServerErrorException | ResourceNotFoundException | ValidationException | AccessDeniedException | ThrottlingException`

Required: Yes

farmId

The farm ID of the task that could not be updated.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the task that could not be updated.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message.

Type: String

Required: Yes

queueId

The queue ID of the task that could not be updated.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID of the task that could not be updated.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskId

The task ID of the task that could not be updated.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BatchUpdateTaskItem

The details of a task to update in a batch update operation.

Contents

farmId

The farm ID of the task to update.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

jobId

The job ID of the task to update.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID of the task to update.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

stepId

The step ID of the task to update.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

targetRunStatus

The run status with which to start the task.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: Yes

taskId

The task ID of the task to update.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BudgetActionToAdd

The budget action to add.

Contents

thresholdPercentage

The percentage threshold for the budget action to add.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: Yes

type

The type of budget action to add.

Type: String

Valid Values: `STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS`

Required: Yes

description

A description for the budget action to add.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BudgetActionToRemove

The budget action to remove.

Contents

thresholdPercentage

The percentage threshold for the budget action to remove.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: Yes

type

The type of budget action to remove.

Type: String

Valid Values: `STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BudgetSchedule

The start and end time of the budget.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

fixed

The fixed start and end time of the budget's schedule.

Type: FixedBudgetSchedule object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

BudgetSummary

The budget summary.

Contents

approximateDollarLimit

The approximate dollar limit of the budget.

Type: Float

Valid Range: Minimum value of 0.01.

Required: Yes

budgetId

The budget ID.

Type: String

Pattern: `budget-[0-9a-f]{32}`

Required: Yes

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

displayName

The display name of the budget summary to update.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

status

The status of the budget.

- `ACTIVE`–The budget is being evaluated.
- `INACTIVE`–The budget is inactive. This can include Expired, Canceled, or deleted Deleted statuses.

Type: String

Valid Values: `ACTIVE | INACTIVE`

Required: Yes

usages

The consumed usage for the budget.

Type: ConsumedUsages object

Required: Yes

usageTrackingResource

The resource used to track expenditure in the budget.

Type: UsageTrackingResource object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

description

This member has been deprecated.

The description of the budget summary.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConsumedUsages

The consumed usage for the resource.

Contents

approximateDollarUsage

The amount of the budget consumed.

Type: Float

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomerManagedAutoScalingConfiguration

The auto scaling configuration settings for a customer managed fleet.

Contents

scaleOutWorkersPerMinute

The number of workers that can be added per minute to the fleet. The default is 10 workers per minute.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 2147483647.

Required: No

standbyWorkerCount

The number of idle workers maintained and ready to process incoming tasks. The default is 0.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

workerIdleDurationSeconds

The number of seconds that a worker can remain idle before it is shut down. The default is 300 seconds (5 minutes).

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomerManagedFleetConfiguration

The configuration details for a customer managed fleet.

Contents

mode

The Auto Scaling mode for the customer managed fleet.

Type: String

Valid Values: `NO_SCALING | EVENT_BASED_AUTO_SCALING`

Required: Yes

workerCapabilities

The worker capabilities for the customer managed fleet.

Type: CustomerManagedWorkerCapabilities object

Required: Yes

autoScalingConfiguration

The auto scaling configuration settings for the customer managed fleet.

Type: CustomerManagedAutoScalingConfiguration object

Required: No

storageProfileId

The storage profile ID for the customer managed fleet.

Type: String

Pattern: `sp-[0-9a-f]{32}`

Required: No

tagPropagationMode

The tag propagation mode for the customer managed fleet.

Type: String

Valid Values: `NO_PROPAGATION | PROPAGATE_TAGS_TO_WORKERS_AT_LAUNCH`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CustomerManagedWorkerCapabilities

The worker capabilities for a customer managed workflow.

Contents

cpuArchitectureType

The CPU architecture type for the customer managed worker capabilities.

Type: String

Valid Values: `x86_64 | arm64`

Required: Yes

memoryMiB

The memory (MiB).

Type: MemoryMiBRange object

Required: Yes

osFamily

The operating system (OS) family.

Type: String

Valid Values: `WINDOWS | LINUX | MACOS`

Required: Yes

vCpuCount

The vCPU count for the customer manged worker capabilities.

Type: VCpuCountRange object

Required: Yes

acceleratorCount

The range of the accelerator.

Type: AcceleratorCountRange object

Required: No

acceleratorTotalMemoryMiB

The total memory (MiB) for the customer managed worker capabilities.

Type: AcceleratorTotalMemoryMiBRange object

Required: No

acceleratorTypes

The accelerator types for the customer managed worker capabilities.

Type: Array of strings

Valid Values: gpu

Required: No

customAmounts

Custom requirement ranges for customer managed worker capabilities.

Type: Array of FleetAmountCapability objects

Array Members: Minimum number of 1 item. Maximum number of 15 items.

Required: No

customAttributes

Custom attributes for the customer manged worker capabilities.

Type: Array of FleetAttributeCapability objects

Array Members: Minimum number of 1 item. Maximum number of 15 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DateTimeFilterExpression

The timestamp in date-time format.

Contents

dateTime

The date and time.

Type: Timestamp

Required: Yes

name

The name of the date-time field to filter on.

Type: String

Required: Yes

operator

The type of comparison to use to filter the results.

Type: String

Valid Values: `EQUAL | NOT_EQUAL | GREATER_THAN_EQUAL_TO | GREATER_THAN | LESS_THAN_EQUAL_TO | LESS_THAN | ANY_EQUALS | ALL_NOT_EQUALS`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

DependencyCounts

The number of dependencies for the consumer.

Contents

consumersResolved

The number of consumers resolved.

Type: Integer

Required: Yes

consumersUnresolved

The number of unresolved consumers.

Type: Integer

Required: Yes

dependenciesResolved

The number of resolved dependencies.

Type: Integer

Required: Yes

dependenciesUnresolved

The number of unresolved dependencies.

Type: Integer

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

Ec2EbsVolume

Specifies the EBS volume.

Contents

iops

The IOPS per volume.

Type: Integer

Valid Range: Minimum value of 3000. Maximum value of 16000.

Required: No

sizeGiB

The EBS volume size in GiB.

Type: Integer

Required: No

throughputMiB

The throughput per volume in MiB.

Type: Integer

Valid Range: Minimum value of 125. Maximum value of 1000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentDetailsEntity

The details of a specified environment.

Contents

environmentId

The environment ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(STEP:step-[0-9a-f]{32}:.*)|(JOB:job-[0-9a-f]{32}:.*)`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

schemaVersion

The schema version in the environment.

Type: String

Required: Yes

template

The template used for the environment.

Type: JSON value

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentDetailsError

The error details for the environment.

Contents

code

The error code.

Type: String

Valid Values: `AccessDeniedException | InternalServerException | ValidationException | ResourceNotFoundException | MaxPayloadSizeExceeded | ConflictException`

Required: Yes

environmentId

The environment ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(STEP:step-[0-9a-f]{32}:.*)|(JOB:job-[0-9a-f]{32}:.*)`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message detailing the error's cause.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentDetailsIdentifiers

The IDs of the job and environment.

Contents

environmentId

The environment ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(STEP:step-[0-9a-f]{32}:.*)|(JOB:job-[0-9a-f]{32}:.*)`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentEnterSessionActionDefinition

The environment ID to use to enter a session action.

Contents

environmentId

The environment ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(STEP:step-[0-9a-f]{32}:.*)|(JOB:job-[0-9a-f]{32}:.*)`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentEnterSessionActionDefinitionSummary

Defines the environment a session action enters in.

Contents

environmentId

The environment ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(STEP:step-[0-9a-f]{32}:.*)|(JOB:job-[0-9a-f]{32}:.*)`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentExitSessionActionDefinition

Defines the environment a session action exits from.

Contents

environmentId

The environment ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(STEP:step-[0-9a-f]{32}:.*)|(JOB:job-[0-9a-f]{32}:.*)`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

EnvironmentExitSessionActionDefinitionSummary

A summary of the environment details for which a session action to exits.

Contents

environmentId

The environment ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Pattern: `(STEP:step-[0-9a-f]{32}:.*)|(JOB:job-[0-9a-f]{32}:.*)`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FarmMember

The member of a farm.

Contents

farmId

The farm ID of the farm member.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

identityStoreId

The identity store ID of the farm member.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `d-[0-9a-f]{10}$|^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

membershipLevel

The farm member's membership level.

Type: String

Valid Values: `VIEWER | CONTRIBUTOR | OWNER | MANAGER`

Required: Yes

principalId

The principal ID of the farm member.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

principalType

The principal type of the farm member.

Type: String

Valid Values: `USER | GROUP`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FarmSummary

The summary of details for a farm.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

displayName

The display name of the farm.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

farmId

The farm ID.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

kmsKeyArn

The ARN for the KMS key.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):kms:[a-z]{2}((-gov)|(-iso(b?)))?-[a-z]+-\d{1}:\d{12}:key/[\w-]{1,120}`

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FieldSortExpression

The field sorting order and name of the field.

Contents

name

The name of the field.

Type: String

Required: Yes

sortOrder

The sort order for the field.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FileSystemLocation

The details of the file system location for the resource.

Contents

name

The location name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[0-9A-Za-z ]*`

Required: Yes

path

The file path.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: Yes

type

The type of file.

Type: String

Valid Values: `SHARED | LOCAL`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FixedBudgetSchedule

The details of a fixed budget schedule.

Contents

endTime

When the budget ends.

Type: Timestamp

Required: Yes

startTime

When the budget starts.

Type: Timestamp

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FleetAmountCapability

The fleet amount and attribute capabilities.

Contents

min

The minimum amount of fleet worker capability.

Type: Float

Required: Yes

name

The name of the fleet capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `([a-zA-Z][a-zA-Z0-9]{0,63}:)?amount(\.[a-zA-Z][a-zA-Z0-9]{0,63})+`

Required: Yes

max

The maximum amount of the fleet worker capability.

Type: Float

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FleetAttributeCapability

Defines the fleet's capability name, minimum, and maximum.

Contents

name

The name of the fleet attribute capability for the worker.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `([a-zA-Z][a-zA-Z0-9]{0,63}:)?attr(\.[a-zA-Z][a-zA-Z0-9]{0,63})+`

Required: Yes

values

The number of fleet attribute capabilities.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z_]([a-zA-Z0-9_\-]{0,99})`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FleetCapabilities

The amounts and attributes of fleets.

Contents

amounts

Amount capabilities of the fleet.

Type: Array of FleetAmountCapability objects

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Required: No

attributes

Attribute capabilities of the fleet.

Type: Array of FleetAttributeCapability objects

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FleetConfiguration

Fleet configuration details.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

customerManaged

The customer managed fleets within a fleet configuration.

Type: CustomerManagedFleetConfiguration object

Required: No

serviceManagedEc2

The service managed Amazon EC2 instances for a fleet configuration.

Type: ServiceManagedEc2FleetConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FleetMember

The fleet member.

Contents

farmId

The farm ID.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

identityStoreId

The identity store ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `d-[0-9a-f]{10}$|^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

membershipLevel

The fleet member's membership level.

Type: String

Valid Values: `VIEWER | CONTRIBUTOR | OWNER | MANAGER`

Required: Yes

principalId

The principal ID of the fleet member.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

principalType

The principal type of the fleet member.

Type: String

Valid Values: `USER | GROUP`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

FleetSummary

The details of a fleet.

Contents

configuration

The configuration details for the fleet.

Type: FleetConfiguration object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

displayName

The display name of the fleet summary to update.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

farmId

The farm ID.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

maxWorkerCount

The maximum number of workers specified in the fleet.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

minWorkerCount

The minimum number of workers in the fleet.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

status

The status of the fleet.

Type: String

Valid Values: `ACTIVE | CREATE_IN_PROGRESS | UPDATE_IN_PROGRESS | CREATE_FAILED | UPDATE_FAILED | SUSPENDED`

Required: Yes

workerCount

The number of workers in the fleet summary.

Type: Integer

Required: Yes

autoScalingStatus

The AWS Auto Scaling status of a fleet.

Type: String

Valid Values: `GROWING | STEADY | SHRINKING`

Required: No

statusMessage

A message that communicates a suspended status of the fleet.

Type: String

Required: No

targetWorkerCount

The target number of workers in a fleet.

Type: Integer

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

GetJobEntityError

The error for the job entity.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

environmentDetails

The environment details for the failed job entity.

Type: EnvironmentDetailsError object

Required: No

jobAttachmentDetails

The job attachment details for the failed job entity.

Type: JobAttachmentDetailsError object

Required: No

jobDetails

The job details for the failed job entity.

Type: JobDetailsError object

Required: No

stepDetails

The step details for the failed job entity.

Type: StepDetailsError object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HostConfiguration

Provides a script that runs as a worker is starting up that you can use to provide additional configuration for workers in your fleet.

To remove a script from a fleet, use the UpdateFleet operation with the `hostConfiguration` `scriptBody` parameter set to an empty string ("").

Contents

scriptBody

The text of the script that runs as a worker is starting up that you can use to provide additional configuration for workers in your fleet. The script runs after a worker enters the `STARTING` state and before the worker processes tasks.

For more information about using the script, see Run scripts as an administrator to configure workers in the *Deadline Cloud Developer Guide*.

> **Important**
>
> The script runs as an administrative user (`sudo root` on Linux, as an Administrator on Windows).

Type: String

Length Constraints: Minimum length of 0. Maximum length of 15000.

Required: Yes

scriptTimeoutSeconds

The maximum time that the host configuration can run. If the timeout expires, the worker enters the `NOT RESPONDING` state and shuts down. You are charged for the time that the worker is running the host configuration script.

> **Note**
>
> You should configure your fleet for a maximum of one worker while testing your host configuration script to avoid starting additional workers.

The default is 300 seconds (5 minutes).

Type: Integer

Valid Range: Minimum value of 300. Maximum value of 3600.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HostPropertiesRequest

The host property details.

Contents

hostName

The host name.

Type: String

Pattern: `[a-zA-Z0-9_\.\-]{0,255}`

Required: No

ipAddresses

The IP address of the host.

Type: IpAddresses object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

HostPropertiesResponse

The host property details.

Contents

ec2InstanceArn

The ARN of the host EC2 instance.

Type: String

Required: No

ec2InstanceType

The instance type of the host EC2 instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

hostName

The host name.

Type: String

Pattern: `[a-zA-Z0-9_\.\-]{0,255}`

Required: No

ipAddresses

The IP address of the host.

Type: IpAddresses object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

IpAddresses

The IP addresses for a host.

Contents

ipV4Addresses

The IpV4 address of the network.

Type: Array of strings

Pattern: `(?:[0-9]{1,3}\.){3}[0-9]{1,3}`

Required: No

ipV6Addresses

The IpV6 address for the network and node component.

Type: Array of strings

Pattern: `(?:[A-F0-9]{1,4}:){7}[A-F0-9]{1,4}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobAttachmentDetailsEntity

The job attachments.

Contents

attachments

The job attachments.

Type: Attachments object

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobAttachmentDetailsError

The error details for job attachments.

Contents

code

The error code.

Type: String

Valid Values: `AccessDeniedException | InternalServerException | ValidationException | ResourceNotFoundException | MaxPayloadSizeExceeded | ConflictException`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message detailing the error's cause.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobAttachmentDetailsIdentifiers

Identifier details for job attachments.

Contents

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobAttachmentSettings

The job attachment settings. These are the Amazon S3 bucket name and the Amazon S3 prefix.

Contents

rootPrefix

The root prefix.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z0-9-_/]+`

Required: Yes

s3BucketName

The Amazon S3 bucket name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobDetailsEntity

The job details for a specific job.

Contents

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

logGroupName

The log group name.

Type: String

Required: Yes

schemaVersion

The schema version.

Type: String

Required: Yes

jobAttachmentSettings

The job attachment settings.

Type: JobDetailsJobAttachmentSettings object

Required: No

jobRunAsUser

The user name and group that the job uses when run.

Type: JobRunAsUser object

Required: No

parameters

The parameters.

Type: String to JobParameter object map

Key Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

pathMappingRules

The path mapping rules.

Type: Array of PathMappingRule objects

Required: No

queueRoleArn

The queue role ARN.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobDetailsError

The details of a job error.

Contents

code

The error code.

Type: String

Valid Values: `AccessDeniedException | InternalServerException | ValidationException | ResourceNotFoundException | MaxPayloadSizeExceeded | ConflictException`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message detailing the error's cause.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobDetailsIdentifiers

The identifiers for a job.

Contents

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobDetailsJobAttachmentSettings

The job attachment settings returned to workers for a job. These are the Amazon S3 bucket name and the Amazon S3 prefix.

Contents

rootPrefix

The root prefix.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-zA-Z0-9-_/]+`

Required: Yes

s3BucketName

The Amazon S3 bucket name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobEntity

The details of a job entity.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

environmentDetails

The environment details for the job entity.

Type: EnvironmentDetailsEntity object

Required: No

jobAttachmentDetails

The job attachment details.

Type: JobAttachmentDetailsEntity object

Required: No

jobDetails

The job details.

Type: JobDetailsEntity object

Required: No

stepDetails

The step details.

Type: StepDetailsEntity object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobEntityIdentifiersUnion

The details of a job entity identifier.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

environmentDetails

The environment details.

Type: EnvironmentDetailsIdentifiers object

Required: No

jobAttachmentDetails

The job attachment details.

Type: JobAttachmentDetailsIdentifiers object

Required: No

jobDetails

The job details.

Type: JobDetailsIdentifiers object

Required: No

stepDetails

The step details.

Type: StepDetailsIdentifiers object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobMember

The details for a job member.

Contents

farmId

The farm ID.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

identityStoreId

The identity store ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `d-[0-9a-f]{10}$|^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

membershipLevel

The job member's membership level.

Type: String

Valid Values: `VIEWER | CONTRIBUTOR | OWNER | MANAGER`

Required: Yes

principalId

The principal ID of the job member.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

principalType

The principal type of the job member.

Type: String

Valid Values: `USER | GROUP`

Required: Yes

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

JobParameter

The details of job parameters.

Contents

> **Important**
> This data type is a UNION, so only one of the following members can be specified when used or returned.

float

A double precision IEEE-754 floating point number represented as a string.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 26.

Pattern: `[-]?(0|[1-9][0-9]*)([.][0-9]+)?([eE][+-]?[0-9]+)?`

Required: No

int

A signed integer represented as a string.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `[-]?(0|[1-9][0-9]*)`

Required: No

path

A file system path represented as a string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

string

A UTF-8 string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobRunAsUser

Identifies the user for a job.

Contents

runAs

Specifies whether the job should run using the queue's system user or if the job should run using the worker agent system user.

Type: String

Valid Values: `QUEUE_CONFIGURED_USER | WORKER_AGENT_USER`

Required: Yes

posix

The user and group that the jobs in the queue run as.

Type: PosixUser object

Required: No

windows

Identifies a Microsoft Windows user.

Type: WindowsUser object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobSearchSummary

The details of a job search.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: No

createdBy

The user or system that created this resource.

Type: String

Required: No

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

jobParameters

The job parameters.

Type: String to JobParameter object map

Key Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

lifecycleStatus

The life cycle status.

Type: String

Valid Values: `CREATE_IN_PROGRESS | CREATE_FAILED | CREATE_COMPLETE | UPLOAD_IN_PROGRESS | UPLOAD_FAILED | UPDATE_IN_PROGRESS | UPDATE_FAILED | UPDATE_SUCCEEDED | ARCHIVED`

Required: No

lifecycleStatusMessage

The life cycle status message.

Type: String

Required: No

maxFailedTasksCount

The number of task failures before the job stops running and is marked as `FAILED`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxRetriesPerTask

The maximum number of retries for a job.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxWorkerCount

The maximum number of worker hosts that can concurrently process a job. When the `maxWorkerCount` is reached, no more workers will be assigned to process the job, even if the fleets assigned to the job's queue has available workers.

You can't set the `maxWorkerCount` to 0. If you set it to -1, there is no maximum number of workers.

If you don't specify the `maxWorkerCount`, the default is -1.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

Required: No

name

The job name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

priority

The job priority.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: No

sourceJobId

The job ID for the source job.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

targetTaskRunStatus

The task status to update the job's tasks to.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

taskFailureRetryCount

The total number of times tasks from the job failed and were retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

taskRunStatus

The task run status for the job.

- `PENDING`–pending and waiting for resources.
- `READY`–ready to be processed.
- `ASSIGNED`–assigned and will run next on a worker.
- `SCHEDULED`–scheduled to be run on a worker.
- `INTERRUPTING`–being interrupted.
- `RUNNING`–running on a worker.
- `SUSPENDED`–the task is suspended.
- `CANCELED`–the task has been canceled.

- FAILED–the task has failed.
- SUCCEEDED–the task has succeeded.

Type: String

Valid Values: PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE

Required: No

taskRunStatusCounts

The number of tasks running on the job.

Type: String to integer map

Valid Keys: PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

JobSummary

A summary of job details.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

lifecycleStatus

The life cycle status.

Type: String

Valid Values: `CREATE_IN_PROGRESS | CREATE_FAILED | CREATE_COMPLETE | UPLOAD_IN_PROGRESS | UPLOAD_FAILED | UPDATE_IN_PROGRESS | UPDATE_FAILED | UPDATE_SUCCEEDED | ARCHIVED`

Required: Yes

lifecycleStatusMessage

The life cycle status message.

Type: String

Required: Yes

name

The job name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

priority

The job priority.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 100.

Required: Yes

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

maxFailedTasksCount

The number of task failures before the job stops running and is marked as `FAILED`.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxRetriesPerTask

The maximum number of retries for a job.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

maxWorkerCount

The maximum number of worker hosts that can concurrently process a job. When the `maxWorkerCount` is reached, no more workers will be assigned to process the job, even if the fleets assigned to the job's queue has available workers.

You can't set the `maxWorkerCount` to 0. If you set it to -1, there is no maximum number of workers.

If you don't specify the `maxWorkerCount`, the default is -1.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

Required: No

sourceJobId

The job ID for the source job.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

targetTaskRunStatus

The task status to update the job's tasks to.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

taskFailureRetryCount

The total number of times tasks from the job failed and were retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

taskRunStatus

The task run status for the job.

- `PENDING`–pending and waiting for resources.
- `READY`–ready to be processed.
- `ASSIGNED`–assigned and will run next on a worker.
- `SCHEDULED`–scheduled to be run on a worker.
- `INTERRUPTING`–being interrupted.
- `RUNNING`–running on a worker.
- `SUSPENDED`–the task is suspended.
- `CANCELED`–the task has been canceled.
- `FAILED`–the task has failed.
- `SUCCEEDED`–the task has succeeded.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: No

taskRunStatusCounts

The number of tasks running on the job.

Type: String to integer map

Valid Keys: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LicenseEndpointSummary

The details for a license endpoint.

Contents

licenseEndpointId

The license endpoint ID.

Type: String

Pattern: `le-[0-9a-f]{32}`

Required: No

status

The status of the license endpoint.

Type: String

Valid Values: `CREATE_IN_PROGRESS | DELETE_IN_PROGRESS | READY | NOT_READY`

Required: No

statusMessage

The status message of the license endpoint.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

vpcId

The VPC (virtual private cloud) ID associated with the license endpoint.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 32.

Pattern: `vpc-[\w]{1,120}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LimitSummary

Provides information about a specific limit.

Contents

amountRequirementName

The value that you specify as the `name` in the `amounts` field of the `hostRequirements` in a step of a job template to declare the limit requirement.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: Yes

createdAt

The Unix timestamp of the date and time that the limit was created.

Type: Timestamp

Required: Yes

createdBy

The user identifier of the person that created the limit.

Type: String

Required: Yes

currentCount

The number of resources from the limit that are being used by jobs. The result is delayed and may not be the count at the time that you called the operation.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: Yes

displayName

The name of the limit used in lists to identify the limit.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

farmId

The unique identifier of the farm that contains the limit.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

limitId

The unique identifier of the limit.

Type: String

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

maxCount

The maximum number of resources constrained by this limit. When all of the resources are in use, steps that require the limit won't be scheduled until the resource is available.

The `maxValue` must not be 0. If the value is -1, there is no restriction on the number of resources that can be acquired for this limit.

Type: Integer

Valid Range: Minimum value of -1. Maximum value of 2147483647.

Required: Yes

updatedAt

The Unix timestamp of the date and time that the limit was last updated.

Type: Timestamp

Required: No

updatedBy

The user identifier of the person that last updated the limit.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

LogConfiguration

Log configuration details.

Contents

logDriver

The log drivers for worker related logs.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

error

The log configuration error details.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

options

The options for a log driver.

Type: String to string map

Required: No

parameters

The parameters for the log configuration.

Type: String to string map

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ManifestProperties

The details of the manifest that links a job's source information.

Contents

rootPath

The file's root path.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

rootPathFormat

The format of the root path.

Type: String

Valid Values: `windows | posix`

Required: Yes

fileSystemLocationName

The file system location name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Pattern: `[0-9A-Za-z ]*`

Required: No

inputManifestHash

The hash value of the file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

inputManifestPath

The file path.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

outputRelativeDirectories

The file path relative to the directory.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MemoryMiBRange

The range of memory in MiB.

Contents

min

The minimum amount of memory (in MiB).

Type: Integer

Valid Range: Minimum value of 512. Maximum value of 2147483647.

Required: Yes

max

The maximum amount of memory (in MiB).

Type: Integer

Valid Range: Minimum value of 512. Maximum value of 2147483647.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MeteredProductSummary

The details of a metered product.

Contents

family

The family to which the metered product belongs.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

port

The port on which the metered product should run.

Type: Integer

Valid Range: Minimum value of 1024. Maximum value of 65535.

Required: Yes

productId

The product ID.

Type: String

Pattern: `[0-9a-z]{1,32}-[.0-9a-z]{1,32}`

Required: Yes

vendor

The vendor.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 64.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

MonitorSummary

Provides information about a monitor in Deadline Cloud.

Contents

createdAt

The UNIX timestamp of the date and time that the monitor was created.

Type: Timestamp

Required: Yes

createdBy

The user name of the person that created the monitor.

Type: String

Required: Yes

displayName

The name of the monitor that displays on the Deadline Cloud console.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

identityCenterApplicationArn

The Amazon Resource Name that the IAM Identity Center assigned to the monitor when it was created.

Type: String

Required: Yes

identityCenterInstanceArn

The Amazon Resource Name of the IAM Identity Center instance responsible for authenticating monitor users.

Type: String

Pattern: `arn:(aws|aws-us-gov|aws-cn|aws-iso|aws-iso-b):sso:::instance/(sso)?ins-[a-zA-Z0-9-.]{16}`

Required: Yes

monitorId

The unique identifier for the monitor.

Type: String

Pattern: `monitor-[0-9a-f]{32}`

Required: Yes

roleArn

The Amazon Resource Name of the IAM role for the monitor. Users of the monitor use this role to access Deadline Cloud resources.

Type: String

Pattern: `arn:(aws[a-zA-Z-]*):iam::\d{12}:role(/[!-.0-~]+)*/[\w+=,.@-]+`

Required: Yes

subdomain

The subdomain used for the monitor URL. The full URL of the monitor is subdomain.Region.deadlinecloud.amazonaws.com.

Type: String

Pattern: `[a-z0-9-]{1,100}`

Required: Yes

url

The complete URL of the monitor. The full URL of the monitor is subdomain.Region.deadlinecloud.amazonaws.com.

Type: String

Required: Yes

identityCenterRegion

The Region where IAM Identity Center is enabled.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 25.

Pattern: `[a-z0-9-]+`

Required: No

updatedAt

The UNIX timestamp of the date and time that the monitor was last updated.

Type: Timestamp

Required: No

updatedBy

The user name of the person that last updated the monitor.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

ParameterFilterExpression

The details of a filtered search for parameters.

Contents

name

The name of the parameter to filter on.

Type: String

Required: Yes

operator

The type of comparison to use to filter results.

Type: String

Valid Values: `EQUAL | NOT_EQUAL | GREATER_THAN_EQUAL_TO | GREATER_THAN | LESS_THAN_EQUAL_TO | LESS_THAN | ANY_EQUALS | ALL_NOT_EQUALS`

Required: Yes

value

The parameter's value.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

ParameterSortExpression

Organizes parameters according to your specifications.

Contents

name

The parameter name to sort by.

Type: String

Required: Yes

sortOrder

The sort order for the parameter.

Type: String

Valid Values: `ASCENDING | DESCENDING`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ParameterSpace

The details of a search for two or more step parameters.

Contents

parameters

The parameters to search for.

Type: Array of StepParameter objects

Required: Yes

combination

The combination expression to use in the search.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1280.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PathMappingRule

The details of a source and destination path.

Contents

destinationPath

The destination path.

Type: String

Required: Yes

sourcePath

The source path.

Type: String

Required: Yes

sourcePathFormat

The source path format.

Type: String

Valid Values: `windows | posix`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PersistentVolumeConfiguration

Specifies the persistent EBS volume configuration for workers in a service managed fleet.

Contents

mountPath

The file system path where the persistent volume is mounted on the worker instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

iops

The IOPS per persistent volume. The default is 3000.

Type: Integer

Valid Range: Minimum value of 100. Maximum value of 80000.

Required: No

lastUsedTtlHours

The number of hours a persistent volume can remain unused before it is deleted. The default is 168 (7 days).

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 8760.

Required: No

sizeGiB

The persistent volume size in GiB. The default is 250.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65536.

Required: No

throughputMiB

The throughput per persistent volume in MiB. The default is 125.

Type: Integer

Valid Range: Minimum value of 125. Maximum value of 2000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PosixUser

The POSIX user.

Contents

group

The name of the POSIX user's group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 31.

Pattern: `(?:[a-z][a-z0-9-]{0,30})?`

Required: Yes

user

The name of the POSIX user.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 31.

Pattern: `(?:[a-z][a-z0-9-]{0,30})?`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PriorityBalancedSchedulingConfiguration

Configuration for priority balanced scheduling. Workers are distributed evenly across all jobs at the highest priority level.

Contents

renderingTaskBuffer

The rendering task buffer controls worker stickiness. A worker only switches from its current job to another job at the same priority if the other job has fewer rendering tasks by more than this buffer value. Higher values make workers stickier to their current jobs. The default value is 1.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

PriorityFifoSchedulingConfiguration

Configuration for priority first-in, first-out (FIFO) scheduling. Workers are assigned to the highest-priority job first. When multiple jobs share the same priority, the job submitted earliest receives workers first.

Contents

The members of this exception structure are context-dependent.

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

QueueEnvironmentSummary

The summary of a queue environment.

Contents

name

The name of the queue environment.

Type: String

Required: Yes

priority

The queue environment's priority.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: Yes

queueEnvironmentId

The queue environment ID.

Type: String

Pattern: `queueenv-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

QueueFleetAssociationSummary

The details of a queue-fleet association.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

status

The status of task scheduling in the queue-fleet association.

- ACTIVE–Association is active.
- STOP_SCHEDULING_AND_COMPLETE_TASKS–Association has stopped scheduling new tasks and is completing current tasks.
- STOP_SCHEDULING_AND_CANCEL_TASKS–Association has stopped scheduling new tasks and is canceling current tasks.
- STOPPED–Association has been stopped.

Type: String

Valid Values: ACTIVE | STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS | STOPPED

Required: Yes

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

QueueLimitAssociationSummary

Provides information about the association between a queue and a limit.

Contents

createdAt

The Unix timestamp of the date and time that the association was created.

Type: Timestamp

Required: Yes

createdBy

The user identifier of the person that created the association.

Type: String

Required: Yes

limitId

The unique identifier of the limit in the association.

Type: String

Pattern: `limit-[0-9a-f]{32}`

Required: Yes

queueId

The unique identifier of the queue in the association.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

status

The status of task scheduling in the queue-limit association.

- ACTIVE - Association is active.
- STOP_LIMIT_USAGE_AND_COMPLETE_TASKS - Association has stopped scheduling new tasks and is completing current tasks.
- STOP_LIMIT_USAGE_AND_CANCEL_TASKS - Association has stopped scheduling new tasks and is canceling current tasks.
- STOPPED - Association has been stopped.

Type: String

Valid Values: ACTIVE | STOP_LIMIT_USAGE_AND_COMPLETE_TASKS | STOP_LIMIT_USAGE_AND_CANCEL_TASKS | STOPPED

Required: Yes

updatedAt

The Unix timestamp of the date and time that the association was last updated.

Type: Timestamp

Required: No

updatedBy

The user identifier of the person that updated the association.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

QueueMember

The details of a queue member.

Contents

farmId

The farm ID.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

identityStoreId

The identity store ID.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 36.

Pattern: `d-[0-9a-f]{10}$|^[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

membershipLevel

The queue member's membership level.

Type: String

Valid Values: `VIEWER | CONTRIBUTOR | OWNER | MANAGER`

Required: Yes

principalId

The principal ID of the queue member.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 47.

Pattern: `([0-9a-f]{10}-|)[A-Fa-f0-9]{8}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{4}-[A-Fa-f0-9]{12}`

Required: Yes

principalType

The principal type of the queue member.

Type: String

Valid Values: `USER | GROUP`

Required: Yes

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

QueueSummary

The details of a queue summary.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

defaultBudgetAction

The default action taken on a queue summary if a budget wasn't configured.

Type: String

Valid Values: `NONE | STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS`

Required: Yes

displayName

The display name of the queue summary to update.

> **Important**
>
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

farmId

The farm ID.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

status

That status of the queue.

Type: String

Valid Values: `IDLE | SCHEDULING | SCHEDULING_BLOCKED`

Required: Yes

blockedReason

The reason the queue is blocked, if applicable.

Type: String

Valid Values: `NO_BUDGET_CONFIGURED | BUDGET_THRESHOLD_REACHED`

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ResponseBudgetAction

The details of a budget action.

Contents

thresholdPercentage

The percentage threshold for the budget.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: Yes

type

The action taken on the budget once scheduling stops.

Type: String

Valid Values: `STOP_SCHEDULING_AND_COMPLETE_TASKS | STOP_SCHEDULING_AND_CANCEL_TASKS`

Required: Yes

description

The budget action description.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

S3Location

The Amazon S3 location information.

Contents

bucketName

The name of the Amazon S3 bucket.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Required: Yes

key

The Amazon S3 object key that uniquely identifies the Amazon S3 bucket.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1024.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SchedulingConfiguration

The scheduling configuration for a queue. Defines the strategy used to assign workers to jobs.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

priorityBalanced

Workers are distributed evenly across all jobs at the highest priority level. When workers cannot be evenly divided, the extra workers are assigned to the jobs submitted earliest. If a job has fewer remaining tasks than its share of workers, the surplus workers are redistributed to other jobs at the same priority level.

Type: PriorityBalancedSchedulingConfiguration object

Required: No

priorityFifo

Workers are assigned to the highest-priority job first. When multiple jobs share the same priority, the job submitted earliest receives workers first. This is the default scheduling configuration for new queues.

Type: PriorityFifoSchedulingConfiguration object

Required: No

weightedBalanced

Workers are assigned to jobs based on a weighted formula that considers job priority, error count, submission time, and the number of tasks currently rendering. Each factor has a configurable weight that determines its influence on scheduling decisions.

Type: WeightedBalancedSchedulingConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SchedulingMaxPriorityOverride

Defines the override behavior for jobs at the maximum priority (100) in weighted balanced scheduling.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

alwaysScheduleFirst

Jobs at the maximum priority (100) are always scheduled before other jobs, regardless of the weighted scheduling formula. If multiple jobs have priority 100, ties are broken using the standard weighted formula.

Type: SchedulingMaxPriorityOverrideAlwaysScheduleFirst object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SchedulingMaxPriorityOverrideAlwaysScheduleFirst

Specifies that jobs at the maximum priority (100) are always scheduled first.

Contents

The members of this exception structure are context-dependent.

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SchedulingMinPriorityOverride

Defines the override behavior for jobs at the minimum priority (0) in weighted balanced scheduling.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

alwaysScheduleLast

Jobs at the minimum priority (0) are always scheduled after all other jobs, regardless of the weighted scheduling formula. If multiple jobs have priority 0, ties are broken using the standard weighted formula.

Type: SchedulingMinPriorityOverrideAlwaysScheduleLast object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SchedulingMinPriorityOverrideAlwaysScheduleLast

Specifies that jobs at the minimum priority (0) are always scheduled last.

Contents

The members of this exception structure are context-dependent.

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SearchFilterExpression

The type of search filter to apply.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

dateTimeFilter

Filters based on date and time.

Type: DateTimeFilterExpression object

Required: No

groupFilter

Filters by group.

Type: SearchGroupedFilterExpressions object

Required: No

parameterFilter

Filters by parameter.

Type: ParameterFilterExpression object

Required: No

searchTermFilter

Filters by a specified search term.

Type: SearchTermFilterExpression object

Required: No

stringFilter

Filters by a string.

Type: StringFilterExpression object

Required: No

stringListFilter

Filters by a list of strings.

Type: StringListFilterExpression object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SearchGroupedFilterExpressions

The search terms for a resource.

Contents

filters

The filters to use for the search.

Type: Array of SearchFilterExpression objects

Array Members: Minimum number of 1 item. Maximum number of 3 items.

Required: Yes

operator

The operators to include in the search.

Type: String

Valid Values: `AND | OR`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SearchSortExpression

The resources to search.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

fieldSort

Options for sorting by a field.

Type: FieldSortExpression object

Required: No

parameterSort

Options for sorting by a parameter.

Type: ParameterSortExpression object

Required: No

userJobsFirst

Options for sorting a particular user's jobs first.

Type: UserJobsFirst object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

SearchTermFilterExpression

Searches for a particular search term.

Contents

searchTerm

The term to search for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

matchType

Specifies how Deadline Cloud matches your search term in the results. If you don't specify a `matchType` the default is `FUZZY_MATCH`.

- `FUZZY_MATCH` - Matches if a portion of the search term is found in the result.
- `CONTAINS` - Matches if the exact search term is contained in the result.

Type: String

Valid Values: `FUZZY_MATCH | CONTAINS`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServiceManagedEc2AutoScalingConfiguration

The auto scaling configuration settings for a service managed EC2 fleet.

Contents

scaleOutWorkersPerMinute

The number of workers that can be added per minute to the fleet. The default is 10 workers per minute.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 2147483647.

Required: No

standbyWorkerCount

The number of idle workers maintained and ready to process incoming tasks. The default is 0.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

workerIdleDurationSeconds

The number of seconds that a worker can remain idle before it is shut down. The default is 300 seconds (5 minutes).

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 86400.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServiceManagedEc2FleetConfiguration

The configuration details for a service managed EC2 fleet.

Contents

instanceCapabilities

The instance capabilities for the service managed EC2 fleet.

Type: ServiceManagedEc2InstanceCapabilities object

Required: Yes

instanceMarketOptions

The instance market options for the service managed EC2 fleet.

Type: ServiceManagedEc2InstanceMarketOptions object

Required: Yes

autoScalingConfiguration

The auto scaling configuration settings for the service managed EC2 fleet.

Type: ServiceManagedEc2AutoScalingConfiguration object

Required: No

persistentVolumeConfiguration

The persistent volume configuration for the service managed EC2 fleet.

Type: PersistentVolumeConfiguration object

Required: No

storageProfileId

The storage profile ID for the service managed EC2 fleet.

Type: String

Pattern: `sp-[0-9a-f]{32}`

Required: No

vpcConfiguration

The VPC configuration for the service managed EC2 fleet.

Type: VpcConfiguration object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServiceManagedEc2InstanceCapabilities

The Amazon EC2 instance capabilities.

Contents

cpuArchitectureType

The CPU architecture type.

Type: String

Valid Values: `x86_64 | arm64`

Required: Yes

memoryMiB

The memory, as MiB, for the Amazon EC2 instance type.

Type: MemoryMiBRange object

Required: Yes

osFamily

The operating system (OS) family.

Type: String

Valid Values: `WINDOWS | LINUX`

Required: Yes

vCpuCount

The amount of vCPU to require for instances in this fleet.

Type: VCpuCountRange object

Required: Yes

acceleratorCapabilities

Describes the GPU accelerator capabilities required for worker host instances in this fleet.

Type: AcceleratorCapabilities object

Required: No

allowedInstanceTypes

The allowable Amazon EC2 instance types.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

customAmounts

The custom capability amounts to require for instances in this fleet.

Type: Array of FleetAmountCapability objects

Array Members: Minimum number of 1 item. Maximum number of 15 items.

Required: No

customAttributes

The custom capability attributes to require for instances in this fleet.

Type: Array of FleetAttributeCapability objects

Array Members: Minimum number of 1 item. Maximum number of 15 items.

Required: No

excludedInstanceTypes

The instance types to exclude from the fleet.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 100 items.

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

rootEbsVolume

The root EBS volume.

Type: Ec2EbsVolume object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServiceManagedEc2InstanceMarketOptions

The details of the Amazon EC2 instance market options for a service managed fleet.

Contents

type

The Amazon EC2 instance type.

Type: String

Valid Values: `on-demand | spot | wait-and-save`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SessionActionDefinition

The definition of the session action.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

envEnter

The environment to enter into.

Type: EnvironmentEnterSessionActionDefinition object

Required: No

envExit

The environment to exit from.

Type: EnvironmentExitSessionActionDefinition object

Required: No

syncInputJobAttachments

The session action definition for syncing input job attachments.

Type: SyncInputJobAttachmentsSessionActionDefinition object

Required: No

taskRun

The task run in the session.

Type: TaskRunSessionActionDefinition object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SessionActionDefinitionSummary

The details of a session action definition.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

envEnter

The environment to enter into.

Type: EnvironmentEnterSessionActionDefinitionSummary object

Required: No

envExit

The environment to exit from.

Type: EnvironmentExitSessionActionDefinitionSummary object

Required: No

syncInputJobAttachments

The session action definition summary for syncing input job attachments.

Type: SyncInputJobAttachmentsSessionActionDefinitionSummary object

Required: No

taskRun

The task run.

Type: TaskRunSessionActionDefinitionSummary object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SessionActionSummary

The details of a session action.

Contents

definition

The session action definition.

Type: SessionActionDefinitionSummary object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

sessionActionId

The session action ID.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

status

The status of the session action.

Type: String

Valid Values: `ASSIGNED | RUNNING | CANCELING | SUCCEEDED | FAILED | INTERRUPTED | CANCELED | NEVER_ATTEMPTED | SCHEDULED | RECLAIMING | RECLAIMED`

Required: Yes

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

manifests

The list of manifest properties that describe file attachments for the task run.

Type: Array of TaskRunManifestPropertiesResponse objects

Required: No

progressPercent

The completion percentage for the session action.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

workerUpdatedAt

The Linux timestamp of the last date and time that the session action was updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SessionsStatisticsResources

Specifies the fleet IDs or queue IDs to return statistics. You can specify only fleet IDs or queue IDS, not both.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

fleetIds

One to 10 fleet IDs that specify the fleets to return statistics for. If you specify the `fleetIds` field, you can't specify the `queueIds` field.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `fleet-[0-9a-f]{32}`

Required: No

queueIds

One to 10 queue IDs that specify the queues to return statistics for. If you specify the `queueIds` field, you can't specify the `fleetIds` field.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Pattern: `queue-[0-9a-f]{32}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SessionSummary

The summary of a session.

Contents

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

lifecycleStatus

The life cycle status for the session.

Type: String

Valid Values: `STARTED | UPDATE_IN_PROGRESS | UPDATE_SUCCEEDED | UPDATE_FAILED | ENDED`

Required: Yes

sessionId

The session ID.

Type: String

Pattern: `session-[0-9a-f]{32}`

Required: Yes

startedAt

The date and time the resource started running.

Type: Timestamp

Required: Yes

workerId

The worker ID.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

targetLifecycleStatus

The target life cycle status for the session.

Type: String

Valid Values: `ENDED`

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Statistics

A list of statistics for a session.

Contents

costInUsd

How the statistics should appear in USD. Options include: minimum, maximum, average or sum.

Type: Stats object

Required: Yes

count

The number of instances in a list of statistics.

Type: Integer

Required: Yes

runtimeInSeconds

The total aggregated runtime.

Type: Stats object

Required: Yes

aggregationEndTime

The end time for the aggregation.

Type: Timestamp

Required: No

aggregationStartTime

The start time for the aggregation.

Type: Timestamp

Required: No

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: No

instanceType

The type of instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

jobName

The job name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

licenseProduct

The licensed product.

Type: String

Required: No

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: No

usageType

The type of usage for the statistics.

Type: String

Valid Values: `COMPUTE | LICENSE | PERSISTENT_VOLUME`

Required: No

userId

The user ID.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Stats

The minimum, maximum, average, and sum.

Contents

avg

The average of the usage statistics.

Type: Double

Required: No

max

The maximum among the usage statistics.

Type: Double

Required: No

min

The minimum of the usage statistics.

Type: Double

Required: No

sum

The sum of the usage statistics.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepAmountCapability

The details outlining the minimum and maximum capability of a step.

Contents

name

The name of the step.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `([a-zA-Z][a-zA-Z0-9]{0,63}:)?amount(\.[a-zA-Z][a-zA-Z0-9]{0,63})+`

Required: Yes

max

The maximum amount.

Type: Double

Required: No

min

The minimum amount.

Type: Double

Required: No

value

The amount value.

Type: Double

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepAttributeCapability

The list of step attributes.

Contents

name

The name of the step attribute.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `([a-zA-Z][a-zA-Z0-9]{0,63}:)?attr(\.[a-zA-Z][a-zA-Z0-9]{0,63})+`

Required: Yes

allOf

Requires all of the step attribute values.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z_]([a-zA-Z0-9_\-]{0,99})`

Required: No

anyOf

Requires any of the step attributes in a given list.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z_]([a-zA-Z0-9_\-]{0,99})`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepConsumer

The details of a step consumer.

Contents

status

The step consumer status.

Type: String

Valid Values: `RESOLVED | UNRESOLVED`

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepDependency

The details of step dependency.

Contents

status

The step dependency status.

Type: String

Valid Values: `RESOLVED | UNRESOLVED`

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepDetailsEntity

The details of a step entity.

Contents

dependencies

The dependencies for a step.

Type: Array of strings

Pattern: `step-[0-9a-f]{32}`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

schemaVersion

The schema version for a step template.

Type: String

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

template

The template for a step.

Type: JSON value

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepDetailsError

The details of the step error.

Contents

code

The error code.

Type: String

Valid Values: `AccessDeniedException | InternalServerException | ValidationException | ResourceNotFoundException | MaxPayloadSizeExceeded | ConflictException`

Required: Yes

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

message

The error message detailing the error's cause.

Type: String

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepDetailsIdentifiers

The details of identifiers for a step.

Contents

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepParameter

The details of a step parameter.

Contents

name

The name of the parameter.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

type

The data type of the parameter.

Type: String

Valid Values: `INT | FLOAT | STRING | PATH | CHUNK_INT`

Required: Yes

chunks

The configuration for task chunking.

Type: StepParameterChunks object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepParameterChunks

Defines how a step parameter range should be divided into chunks.

Contents

defaultTaskCount

The number of tasks to combine into a single chunk by default.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 2147483647.

Required: Yes

rangeConstraint

Specifies whether the chunked ranges must be contiguous or can have gaps between them.

Type: String

Valid Values: `CONTIGUOUS | NONCONTIGUOUS`

Required: Yes

targetRuntimeSeconds

The number of seconds to aim for when forming chunks.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

StepRequiredCapabilities

The details of required step capabilities.

Contents

amounts

The capability amounts that the step requires.

Type: Array of StepAmountCapability objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Required: Yes

attributes

The capability attributes that the step requires.

Type: Array of StepAttributeCapability objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepSearchSummary

The details of a step search.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: No

createdBy

The user or system that created this resource.

Type: String

Required: No

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

lifecycleStatus

The life cycle status.

Type: String

Valid Values: `CREATE_COMPLETE | UPDATE_IN_PROGRESS | UPDATE_FAILED | UPDATE_SUCCEEDED`

Required: No

lifecycleStatusMessage

The life cycle status message.

Type: String

Required: No

name

The step name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

parameterSpace

The parameters and combination expressions for the search.

Type: ParameterSpace object

Required: No

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: No

targetTaskRunStatus

The task status to update the job's tasks to.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

taskFailureRetryCount

The total number of times tasks from the step failed and were retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

taskRunStatus

The task run status for the job.

- `PENDING`–pending and waiting for resources.
- `READY`–ready to be processed.
- `ASSIGNED`–assigned and will run next on a worker.
- `SCHEDULED`–scheduled to be run on a worker.
- `INTERRUPTING`–being interrupted.
- `RUNNING`–running on a worker.
- `SUSPENDED`–the task is suspended.
- `CANCELED`–the task has been canceled.

- FAILED–the task has failed.
- SUCCEEDED–the task has succeeded.

Type: String

Valid Values: PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE

Required: No

taskRunStatusCounts

The number of tasks running on the job.

Type: String to integer map

Valid Keys: PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StepSummary

The details for a step.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

lifecycleStatus

The life cycle status.

Type: String

Valid Values: `CREATE_COMPLETE | UPDATE_IN_PROGRESS | UPDATE_FAILED | UPDATE_SUCCEEDED`

Required: Yes

name

The name of the step.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskRunStatus

The task run status for the job.

- `PENDING`–pending and waiting for resources.
- `READY`–ready to process.
- `ASSIGNED`–assigned and will run next on a worker.
- `SCHEDULED`–scheduled to run on a worker.
- `INTERRUPTING`–being interrupted.
- `RUNNING`–running on a worker.
- `SUSPENDED`–the task is suspended.
- `CANCELED`–the task has been canceled.
- `FAILED`–the task has failed.
- `SUCCEEDED`–the task has succeeded.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: Yes

taskRunStatusCounts

The number of tasks running on the job.

Type: String to integer map

Valid Keys: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: Yes

dependencyCounts

The number of dependencies for the step.

Type: DependencyCounts object

Required: No

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

lifecycleStatusMessage

A message that describes the lifecycle of the step.

Type: String

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

targetTaskRunStatus

The task status to update the job's tasks to.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

taskFailureRetryCount

The total number of times tasks from the step failed and were retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StorageProfileSummary

The details of a storage profile.

Contents

displayName

The display name of the storage profile summary to update.

> **Important**
> This field can store any content. Escape or encode this content before displaying it on a webpage or any other system that might interpret the content of this field.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

osFamily

The operating system (OS) family.

Type: String

Valid Values: `WINDOWS | LINUX | MACOS`

Required: Yes

storageProfileId

The storage profile ID.

Type: String

Pattern: `sp-[0-9a-f]{32}`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

StringFilterExpression

Searches for a particular string.

Contents

name

The field name to search.

Type: String

Required: Yes

operator

The type of comparison to use for this search.

Type: String

Valid Values: `EQUAL | NOT_EQUAL | GREATER_THAN_EQUAL_TO | GREATER_THAN | LESS_THAN_EQUAL_TO | LESS_THAN | ANY_EQUALS | ALL_NOT_EQUALS`

Required: Yes

value

The string to search for.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

StringListFilterExpression

Searches for a particular list of strings.

Contents

name

The field name to search.

Type: String

Required: Yes

operator

The type of comparison to use for this search.

Type: String

Valid Values: `EQUAL | NOT_EQUAL | GREATER_THAN_EQUAL_TO | GREATER_THAN | LESS_THAN_EQUAL_TO | LESS_THAN | ANY_EQUALS | ALL_NOT_EQUALS`

Required: Yes

values

The list of string values to search for.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 16 items.

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- AWS SDK for Java V2
- AWS SDK for Ruby V3

SyncInputJobAttachmentsSessionActionDefinition

The session action definition for syncing input job attachments.

Contents

stepId

The step ID for the sync input job attachments session action.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

SyncInputJobAttachmentsSessionActionDefinitionSummary

The summary of the session action definition for syncing input job attachments.

Contents

stepId

The step ID for the sync input job attachments session action summary.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TaskParameterValue

The data types for the task parameters.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

chunkInt

A range (for example 1-10) or selection of specific (for example 1,3,7,8,10) integers represented as a string.

Type: String

Required: No

float

A double precision IEEE-754 floating point number represented as a string.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 26.

Pattern: `[-]?(0|[1-9][0-9]*)([.][0-9]+)?([eE][+-]?[0-9]+)?`

Required: No

int

A signed integer represented as a string.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 20.

Pattern: `[-]?(0|[1-9][0-9]*)`

Required: No

path

A file system path represented as a string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

string

A UTF-8 string.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TaskRunManifestPropertiesRequest

The output manifest properties reported by the worker agent for a completed task run.

Contents

outputManifestHash

The hash value of the file.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: No

outputManifestPath

The manifest file path.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 512.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TaskRunManifestPropertiesResponse

The manifest properties for a task run, corresponding to the manifest properties in the job.

Contents

outputManifestHash

The hash value of the file.

Type: String

Required: No

outputManifestPath

The manifest file path.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TaskRunSessionActionDefinition

The task, step, and parameters for the task run in the session action.

Contents

parameters

The task parameters.

Type: String to TaskParameterValue object map

Required: Yes

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

taskId

The task ID.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TaskRunSessionActionDefinitionSummary

The details of a task run in a session action.

Contents

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: Yes

parameters

The parameters of a task run in a session action.

Type: String to TaskParameterValue object map

Required: No

taskId

The task ID.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TaskSearchSummary

The details of a task search.

Contents

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

failureRetryCount

The number of times that the task failed and was retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

jobId

The job ID.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: No

latestSessionActionId

The latest session action ID for the task.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: No

parameters

The parameters to search for.

Type: String to TaskParameterValue object map

Required: No

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: No

runStatus

The run status of the task.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

stepId

The step ID.

Type: String

Pattern: `step-[0-9a-f]{32}`

Required: No

targetRunStatus

The run status that the task is being updated to.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

taskId

The task ID.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TaskSummary

The details of a task.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

runStatus

The run status of the task.

Type: String

Valid Values: `PENDING | READY | ASSIGNED | STARTING | SCHEDULED | INTERRUPTING | RUNNING | SUSPENDED | CANCELED | FAILED | SUCCEEDED | NOT_COMPATIBLE`

Required: Yes

taskId

The task ID.

Type: String

Pattern: `task-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: Yes

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

failureRetryCount

The number of times that the task failed and was retried.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 2147483647.

Required: No

latestSessionActionId

The latest session action ID for the task.

Type: String

Pattern: `sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))`

Required: No

parameters

The task parameters.

Type: String to TaskParameterValue object map

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

targetRunStatus

The run status on which the started.

Type: String

Valid Values: `READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING`

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UpdatedSessionActionInfo

The updated session action information as it relates to completion and progress of the session.

Contents

completedStatus

The status of the session upon completion.

Type: String

Valid Values: `SUCCEEDED | FAILED | INTERRUPTED | CANCELED | NEVER_ATTEMPTED`

Required: No

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

manifests

A list of output manifest properties reported by the worker agent, with each entry corresponding to a manifest property in the job.

Type: Array of TaskRunManifestPropertiesRequest objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

processExitCode

The process exit code. The default Deadline Cloud worker agent converts unsigned 32-bit exit codes to signed 32-bit exit codes.

Type: Integer

Valid Range: Minimum value of -2147483648. Maximum value of 2147483647.

Required: No

progressMessage

A message to indicate the progress of the updated session action.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 4096.

Required: No

progressPercent

The percentage completed.

Type: Float

Valid Range: Minimum value of 0. Maximum value of 100.

Required: No

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

updatedAt

The updated time.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UsageTrackingResource

The usage details of the allotted budget.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

queueId

The queue ID.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

UserJobsFirst

Allows setting a specific user's job to run first.

Contents

userIdentityId

The user's ID.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ValidationExceptionField

The details of a validation exception.

Contents

message

The error message for the validation exception.

Type: String

Required: Yes

name

The name of the validation exception.

Type: String

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VCpuCountRange

The allowable range of vCPU processing power for the fleet.

Contents

min

The minimum amount of vCPU.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

Required: Yes

max

The maximum amount of vCPU.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 10000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VolumeSummary

The summary of a persistent volume.

Contents

availabilityZoneId

The Availability Zone ID of the volume.

Type: String

Required: Yes

farmId

The farm ID of the farm that contains the fleet.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID of the fleet that contains the volume.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

sizeGiB

The volume size in GiB.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 65536.

Required: Yes

state

The state of the volume.

Type: String

Valid Values: `PENDING_CREATION | PENDING_ATTACHMENT | IN_USE | AVAILABLE | PENDING_DELETION`

Required: Yes

volumeId

The volume ID.

Type: String

Pattern: `volume-[0-9a-f]{32}`

Required: Yes

attachedWorkerId

The worker ID of the worker the volume is attached to.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VpcConfiguration

The configuration options for a service managed fleet's VPC.

Contents

resourceConfigurationArns

The ARNs of the VPC Lattice resource configurations attached to the fleet.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 2048.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WeightedBalancedSchedulingConfiguration

Configuration for weighted balanced scheduling. Workers are assigned to jobs based on a weighted formula:

```
weight = (priority * priorityWeight) + (errors * errorWeight) +
((currentTime - submissionTime) * submissionTimeWeight) + ((renderingTasks
- renderingTaskBuffer) * renderingTaskWeight)
```

The job with the highest calculated weight is scheduled first. Workers are distributed evenly amongst jobs with the same weight.

Contents

errorWeight

The weight applied to the number of errors on a job. A negative value means jobs without errors are scheduled first. A value of `0` means errors are ignored. The default value is `-10.0`.

Type: Double

Valid Range: Minimum value of -10000. Maximum value of 10000.

Required: No

maxPriorityOverride

Overrides the weighted scheduling formula for jobs at the maximum priority (100). When set, jobs with priority 100 are always scheduled first regardless of their calculated weight. When absent, maximum priority jobs use the standard weighted formula.

Type: SchedulingMaxPriorityOverride object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

minPriorityOverride

Overrides the weighted scheduling formula for jobs at the minimum priority (0). When set, jobs with priority 0 are always scheduled last regardless of their calculated weight. When absent, minimum priority jobs use the standard weighted formula.

Type: SchedulingMinPriorityOverride object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

priorityWeight

The weight applied to job priority in the scheduling formula. Higher values give more influence to job priority. A value of `0` means priority is ignored. The default value is `100.0`.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: No

renderingTaskBuffer

The rendering task buffer is subtracted from the number of rendering tasks before applying the rendering task weight. This creates a stickiness effect where workers prefer to stay with their current job. Higher values make workers stickier. The default value is 1. The buffer is only applied in the weight calculation for a job if the worker is currently assigned to that job.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 1000.

Required: No

renderingTaskWeight

The weight applied to the number of tasks currently rendering on a job. A negative value means jobs that are not already rendering are scheduled next. A value of `0` means the rendering state is ignored. The default value is `-100.0`.

Type: Double

Valid Range: Minimum value of -10000. Maximum value of 10000.

Required: No

submissionTimeWeight

The weight applied to job submission time. A positive value means earlier jobs are scheduled first. A value of `0` means submission time is ignored. The default value is `3.0`.

Type: Double

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WindowsUser

The Windows user details.

Contents

passwordArn

The password ARN for the Windows user.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(aws[a-zA-Z-]*):secretsmanager:[a-z]{2}((-gov)|(-iso(b?)))?-[a-z]+-\d{1}:\d{12}:secret:[a-zA-Z0-9-/_+=.@]{1,2028}`

Required: Yes

user

The user.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 111.

Pattern: `[^"'/\[\]:;|=,+*?<>\s]*`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WorkerAmountCapability

The details of the worker amount capability.

Contents

name

The name of the worker amount capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `([a-zA-Z][a-zA-Z0-9]{0,63}:)?amount(\.[a-zA-Z][a-zA-Z0-9]{0,63})+`

Required: Yes

value

The value of the worker amount capability.

Type: Float

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WorkerAttributeCapability

The details of the worker attribute capability.

Contents

name

The name of the worker attribute capability.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `([a-zA-Z][a-zA-Z0-9]{0,63}:)?attr(\.[a-zA-Z][a-zA-Z0-9]{0,63})+`

Required: Yes

values

The values of the worker amount capability.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[a-zA-Z_]([a-zA-Z0-9_\-]{0,99})`

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WorkerCapabilities

The details for worker capabilities.

Contents

amounts

The worker capabilities amounts on a list of worker capabilities.

Type: Array of WorkerAmountCapability objects

Array Members: Minimum number of 2 items. Maximum number of 17 items.

Required: Yes

attributes

The worker attribute capabilities in the list of attribute capabilities.

Type: Array of WorkerAttributeCapability objects

Array Members: Minimum number of 2 items. Maximum number of 17 items.

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WorkerSearchSummary

The details of a worker search.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: No

createdBy

The user or system that created this resource.

Type: String

Required: No

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: No

hostProperties

Provides the Amazon EC2 instance properties of the worker host.

Type: HostPropertiesResponse object

Required: No

status

The status of the worker search.

Type: String

Valid Values: `CREATED | STARTED | STOPPING | STOPPED | NOT_RESPONDING | NOT_COMPATIBLE | RUNNING | IDLE`

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

workerId

The worker ID.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WorkerSessionSummary

Summarizes the session for a particular worker.

Contents

jobId

The job ID for the job associated with the worker's session.

Type: String

Pattern: `job-[0-9a-f]{32}`

Required: Yes

lifecycleStatus

The life cycle status for the worker's session.

Type: String

Valid Values: `STARTED | UPDATE_IN_PROGRESS | UPDATE_SUCCEEDED | UPDATE_FAILED | ENDED`

Required: Yes

queueId

The queue ID for the queue associated to the worker.

Type: String

Pattern: `queue-[0-9a-f]{32}`

Required: Yes

sessionId

The session ID for the session action.

Type: String

Pattern: `session-[0-9a-f]{32}`

Required: Yes

startedAt

The date and time the resource started running.

Type: Timestamp

Required: Yes

endedAt

The date and time the resource ended running.

Type: Timestamp

Required: No

targetLifecycleStatus

The life cycle status

Type: String

Valid Values: ENDED

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WorkerSummary

The summary of details for a worker.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

Required: Yes

createdBy

The user or system that created this resource.

Type: String

Required: Yes

farmId

The farm ID.

Type: String

Pattern: `farm-[0-9a-f]{32}`

Required: Yes

fleetId

The fleet ID.

Type: String

Pattern: `fleet-[0-9a-f]{32}`

Required: Yes

status

The status of the worker.

Type: String

Valid Values: `CREATED | STARTED | STOPPING | STOPPED | NOT_RESPONDING | NOT_COMPATIBLE | RUNNING | IDLE`

Required: Yes

workerId

The worker ID.

Type: String

Pattern: `worker-[0-9a-f]{32}`

Required: Yes

hostProperties

The host properties of the worker.

Type: HostPropertiesResponse object

Required: No

log

The log configuration for the worker.

Type: LogConfiguration object

Required: No

updatedAt

The date and time the resource was updated.

Type: Timestamp

Required: No

updatedBy

The user or system that updated this resource.

Type: String

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400