



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 July 4, 2024.

Actions

The following actions are supported:

- [AssociateMemberToFarm](#)
- [AssociateMemberToFleet](#)
- [AssociateMemberToJob](#)
- [AssociateMemberToQueue](#)
- [AssumeFleetRoleForRead](#)
- [AssumeFleetRoleForWorker](#)
- [AssumeQueueRoleForRead](#)
- [AssumeQueueRoleForUser](#)
- [AssumeQueueRoleForWorker](#)
- [BatchGetJobEntity](#)
- [CopyJobTemplate](#)
- [CreateBudget](#)
- [CreateFarm](#)
- [CreateFleet](#)
- [CreateJob](#)
- [CreateLicenseEndpoint](#)
- [CreateMonitor](#)
- [CreateQueue](#)
- [CreateQueueEnvironment](#)
- [CreateQueueFleetAssociation](#)
- [CreateStorageProfile](#)
- [CreateWorker](#)
- [DeleteBudget](#)
- [DeleteFarm](#)
- [DeleteFleet](#)
- [DeleteLicenseEndpoint](#)
- [DeleteMeteredProduct](#)

- [DeleteMonitor](#)
- [DeleteQueue](#)
- [DeleteQueueEnvironment](#)
- [DeleteQueueFleetAssociation](#)
- [DeleteStorageProfile](#)
- [DeleteWorker](#)
- [DisassociateMemberFromFarm](#)
- [DisassociateMemberFromFleet](#)
- [DisassociateMemberFromJob](#)
- [DisassociateMemberFromQueue](#)
- [GetBudget](#)
- [GetFarm](#)
- [GetFleet](#)
- [GetJob](#)
- [GetLicenseEndpoint](#)
- [GetMonitor](#)
- [GetQueue](#)
- [GetQueueEnvironment](#)
- [GetQueueFleetAssociation](#)
- [GetSession](#)
- [GetSessionAction](#)
- [GetSessionsStatisticsAggregation](#)
- [GetStep](#)
- [GetStorageProfile](#)
- [GetStorageProfileForQueue](#)
- [GetTask](#)
- [GetWorker](#)
- [ListAvailableMeteredProducts](#)
- [ListBudgets](#)
- [ListFarmMembers](#)

- [ListFarms](#)
- [ListFleetMembers](#)
- [ListFleets](#)
- [ListJobMembers](#)
- [ListJobs](#)
- [ListLicenseEndpoints](#)
- [ListMeteredProducts](#)
- [ListMonitors](#)
- [ListQueueEnvironments](#)
- [ListQueueFleetAssociations](#)
- [ListQueueMembers](#)
- [ListQueues](#)
- [ListSessionActions](#)
- [ListSessions](#)
- [ListSessionsForWorker](#)
- [ListStepConsumers](#)
- [ListStepDependencies](#)
- [ListSteps](#)
- [ListStorageProfiles](#)
- [ListStorageProfilesForQueue](#)
- [ListTagsForResource](#)
- [ListTasks](#)
- [ListWorkers](#)
- [PutMeteredProduct](#)
- [SearchJobs](#)
- [SearchSteps](#)
- [SearchTasks](#)
- [SearchWorkers](#)
- [StartSessionsStatisticsAggregation](#)
- [TagResource](#)

- [UntagResource](#)
- [UpdateBudget](#)
- [UpdateFarm](#)
- [UpdateFleet](#)
- [UpdateJob](#)
- [UpdateMonitor](#)
- [UpdateQueue](#)
- [UpdateQueueEnvironment](#)
- [UpdateQueueFleetAssociation](#)
- [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
```

```
{
  "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.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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
```

```
{
  "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.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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
```

```
{
  "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.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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
```

```
{
  "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.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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": { ... },
  "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.

Type: String

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

Required: No

displayName

The display name of the budget.

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

[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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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

{
  "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.

description

The description of the farm.

Type: String

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

Required: No

displayName

The display name of the farm.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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",
  "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.

Type: String

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

Required: No

displayName

The display name of the fleet.

Type: String

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

Required: Yes

maxWorkerCount

The maximum number of workers for the fleet.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateJob

Creates a job. A job is a render submission submitted by a user. It contains specific job properties outlined as steps and tasks.

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"
      }
    ]
  },
  "maxFailedTasksCount": number,
  "maxRetriesPerTask": number,
  "parameters": {
    "string" : { ... }
  },
  "priority": number,
  "storageProfileId": "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

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

parameters

The parameters for the job.

Type: String to [JobParameter](#) object map

Required: No

priority

The priority of the job on a scale of 0 to 100. 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

storageProfileId

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

Type: String

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

Required: No

targetTaskRunStatus

The initial status of the job's tasks when they are created. Tasks that are created with a SUSPENDED status will not run until you update their status.

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 300000.

Required: Yes

templateType

The file type for the job template.

Type: String

Valid Values: JSON | YAML

Required: Yes

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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

vpclId

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: `^\1e-[0-9a-f]{32}$`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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",
  "roleArn": "string",
  "subdomain": "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.

Type: String

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

Required: Yes

identityCenterInstanceArn

The Amazon Resource Name (ARN) 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

roleArn

The Amazon Resource Name (ARN) 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

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 (ARN) 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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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",
  "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.

Type: String

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

Required: No

displayName

The display name of the queue.

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

[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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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. 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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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" ]
    }
  }
}
```

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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: `^1e-[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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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: `^1e-[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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

Type: String

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

displayName

The display name of the budget.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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
```

```
{  
  "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.

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.

Type: String

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

displayName

The display name of the farm.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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",
"maxWorkerCount": number,
"minWorkerCount": number,
"roleArn": "string",
"status": "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.

Type: String

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

displayName

The display name of the fleet.

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}$`

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 AWS Auto Scaling status of the fleet.

Type: String

Valid Values: ACTIVE | CREATE_IN_PROGRESS | UPDATE_IN_PROGRESS |
CREATE_FAILED | UPDATE_FAILED

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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,
  "name": "string",
  "parameters": {
    "string" : { ... }
  },
  "priority": number,
  "startedAt": "string",
  "storageProfileId": "string",
  "targetTaskRunStatus": "string",
  "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.

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.

name

The name of the job.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

parameters

The parameters for the job.

Type: String to [JobParameter](#) object map

priority

The job priority.

Type: Integer

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

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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

Pattern: `^vpce-[\w]+-[\w]+.vpce-svc-[\w]+.*.vpce.amazonaws.com$`

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}\$

vpclId

The VCP(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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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",
  "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.

Type: String

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

identityCenterApplicationArn

The Amazon Resource Name (ARN) that the IAM Identity Center assigned to the monitor when it was created.

Type: String

identityCenterInstanceArn

The Amazon Resource Name (ARN) 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}$`

monitorId

The unique identifier for the monitor.

Type: String

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

roleArn

The Amazon Resource Name (ARN) 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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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",
"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.

Type: String

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

displayName

The display name of the queue.

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+=, .@-]+$`

[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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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

{
  "definition": { ... },
  "endedAt": "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.

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

processExitCode

The exit code to exit the session.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

[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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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": [
      {
        "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",
"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.

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 64.

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

InternalServerErrorException

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

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

[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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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.

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

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",
      "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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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,
      "name": "string",
      "priority": number,
      "startedAt": "string",
      "targetTaskRunStatus": "string",
      "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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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",
```

```
    "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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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",
      "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

sessionActions

The session actions.

Type: Array of [SessionActionSummary](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

[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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)

- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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",
      "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

[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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

[storageProfiles](#)

The storage profiles.

Type: Array of [StorageProfileSummary](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

tasks

Tasks for the job.

Type: Array of [TaskSummary](#) objects

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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: `^1e-[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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 filter expression, AND or OR, to use when searching among a group of search strings in a resource. You can use two groupings per search each within parenthesis ().

Type: [SearchGroupedFilterExpressions](#) object

Required: No

itemOffset

Defines how far into the scrollable list to start the return of results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: Yes

pageSize

Specifies the number of items per page for the resource.

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: Fixed number of 1 item.

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,
      "name": "string",
      "priority": number,
      "queueId": "string",
      "startedAt": "string",
      "targetTaskRunStatus": "string",
      "taskRunStatus": "string",
      "taskRunStatusCounts": {
        "string" : number
      }
    }
  ],
  "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 incremental starting point after the defined `itemOffset`.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 filter expression, AND or OR, to use when searching among a group of search strings in a resource. You can use two groupings per search each within parenthesis ().

Type: [SearchGroupedFilterExpressions](#) object

Required: No

itemOffset

Defines how far into the scrollable list to start the return of 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 items per page for the resource.

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: Fixed number of 1 item.

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "nextItemOffset": number,
  "steps": [
    {
      "createdAt": "string",
      "endedAt": "string",
      "jobId": "string",
      "lifecycleStatus": "string",
      "lifecycleStatusMessage": "string",
      "name": "string",
      "parameterSpace": {
        "combination": "string",
        "parameters": [
          {
            "name": "string",
            "type": "string"
          }
        ]
      }
    }
  ],
  "queueId": "string",
  "startedAt": "string",
  "stepId": "string",
  "targetTaskRunStatus": "string",
  "taskRunStatus": "string",
```

```
    "taskRunStatusCounts": {  
      "string" : 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.

nextItemOffset

The next incremental starting point after the defined `itemOffset`.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 filter expression, AND or OR, to use when searching among a group of search strings in a resource. You can use two groupings per search each within parenthesis ().

Type: [SearchGroupedFilterExpressions](#) object

Required: No

itemOffset

Defines how far into the scrollable list to start the return of 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 items per page for the resource.

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: Fixed number of 1 item.

Required: No

Response Syntax

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

{
  "nextItemOffset": number,
  "tasks": [
    {
      "endedAt": "string",
      "failureRetryCount": number,
      "jobId": "string",
      "parameters": {
        "string" : { ... }
      },
      "queueId": "string",
      "runStatus": "string",
      "startedAt": "string",
      "stepId": "string",
      "targetRunStatus": "string",
      "taskId": "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 incremental starting point after the defined `itemOffset`.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 filter expression, AND or OR, to use when searching among a group of search strings in a resource. You can use two groupings per search each within parenthesis ().

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

Defines how far into the scrollable list to start the return of results.

Type: Integer

Valid Range: Minimum value of 0. Maximum value of 10000.

Required: Yes

pageSize

Specifies the number of items per page for the resource.

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: Fixed number of 1 item.

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 incremental starting point after the defined `itemOffset`.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 timezone 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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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

The 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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)

- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

Type: String

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

Required: No

displayName

The display name of the budget to update.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateFarm

Updates a farm.

Request Syntax

```
PATCH /2023-10-12/farms/farmId HTTP/1.1
Content-type: application/json
```

```
{
  "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.

description

The description of the farm to update.

Type: String

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

Required: No

displayName

The display name of the farm to update.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateFleet

Updates a fleet.

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",
  "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.

Type: String

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

Required: No

displayName

The display name of the fleet to update.

Type: String

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

Required: No

maxWorkerCount

The maximum number of workers in the fleet.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can'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.

HTTP Status Code: 402

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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

{
  "lifecycleStatus": "string",
  "maxFailedTasksCount": number,
  "maxRetriesPerTask": number,
  "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.

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

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

Type: String

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

Required: No

roleArn

The Amazon Resource Name (ARN) 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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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"
}
```

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.

Type: String

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

Required: No

displayName

The display name of the queue to update.

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

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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.

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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

HTTP Status Code: 403

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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

{
  "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.

[log](#)

The worker log to update.

Type: [LogConfiguration](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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",
      "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": { ... },
        "sessionId": "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 Errors](#).

AccessDeniedException

You don't have permission to perform the action.

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.

HTTP Status Code: 409

InternalServerErrorException

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

HTTP Status Code: 500

ResourceNotFoundException

The requested resource can't be found.

HTTP Status Code: 404

ThrottlingException

Your request exceeded a request rate quota.

HTTP Status Code: 429

ValidationException

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

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](#)
- [AWS SDK for .NET](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [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:

- [AcceleratorCountRange](#)
- [AcceleratorTotalMemoryMiBRange](#)
- [AssignedEnvironmentEnterSessionActionDefinition](#)
- [AssignedEnvironmentExitSessionActionDefinition](#)
- [AssignedSession](#)
- [AssignedSessionAction](#)
- [AssignedSessionActionDefinition](#)
- [AssignedSyncInputJobAttachmentsSessionActionDefinition](#)
- [AssignedTaskRunSessionActionDefinition](#)
- [Attachments](#)
- [AwsCredentials](#)
- [BudgetActionToAdd](#)
- [BudgetActionToRemove](#)
- [BudgetSchedule](#)
- [BudgetSummary](#)
- [ConsumedUsages](#)
- [CustomerManagedFleetConfiguration](#)
- [CustomerManagedWorkerCapabilities](#)
- [DateTimeFilterExpression](#)
- [DependencyCounts](#)

- [Ec2EbsVolume](#)
- [EnvironmentDetailsEntity](#)
- [EnvironmentDetailsError](#)
- [EnvironmentDetailsIdentifiers](#)
- [EnvironmentEnterSessionActionDefinition](#)
- [EnvironmentEnterSessionActionDefinitionSummary](#)
- [EnvironmentExitSessionActionDefinition](#)
- [EnvironmentExitSessionActionDefinitionSummary](#)
- [FarmMember](#)
- [FarmSummary](#)
- [FieldSortExpression](#)
- [FileSystemLocation](#)
- [FixedBudgetSchedule](#)
- [FleetAmountCapability](#)
- [FleetAttributeCapability](#)
- [FleetCapabilities](#)
- [FleetConfiguration](#)
- [FleetMember](#)
- [FleetSummary](#)
- [GetJobEntityError](#)
- [HostPropertiesRequest](#)
- [HostPropertiesResponse](#)
- [IpAddresses](#)
- [JobAttachmentDetailsEntity](#)
- [JobAttachmentDetailsError](#)
- [JobAttachmentDetailsIdentifiers](#)
- [JobAttachmentSettings](#)
- [JobDetailsEntity](#)
- [JobDetailsError](#)
- [JobDetailsIdentifiers](#)

- [JobEntity](#)
- [JobEntityIdentifiersUnion](#)
- [JobMember](#)
- [JobParameter](#)
- [JobRunAsUser](#)
- [JobSearchSummary](#)
- [JobSummary](#)
- [LicenseEndpointSummary](#)
- [LogConfiguration](#)
- [ManifestProperties](#)
- [MemoryMiBRange](#)
- [MeteredProductSummary](#)
- [MonitorSummary](#)
- [ParameterFilterExpression](#)
- [ParameterSortExpression](#)
- [ParameterSpace](#)
- [PathMappingRule](#)
- [PosixUser](#)
- [QueueEnvironmentSummary](#)
- [QueueFleetAssociationSummary](#)
- [QueueMember](#)
- [QueueSummary](#)
- [ResponseBudgetAction](#)
- [S3Location](#)
- [SearchFilterExpression](#)
- [SearchGroupedFilterExpressions](#)
- [SearchSortExpression](#)
- [SearchTermFilterExpression](#)
- [ServiceManagedEc2FleetConfiguration](#)
- [ServiceManagedEc2InstanceCapabilities](#)

- [ServiceManagedEc2InstanceMarketOptions](#)
- [SessionActionDefinition](#)
- [SessionActionDefinitionSummary](#)
- [SessionActionSummary](#)
- [SessionsStatisticsResources](#)
- [SessionSummary](#)
- [Statistics](#)
- [Stats](#)
- [StepAmountCapability](#)
- [StepAttributeCapability](#)
- [StepConsumer](#)
- [StepDependency](#)
- [StepDetailsEntity](#)
- [StepDetailsError](#)
- [StepDetailsIdentifiers](#)
- [StepParameter](#)
- [StepRequiredCapabilities](#)
- [StepSearchSummary](#)
- [StepSummary](#)
- [StorageProfileSummary](#)
- [StringFilterExpression](#)
- [SyncInputJobAttachmentsSessionActionDefinition](#)
- [SyncInputJobAttachmentsSessionActionDefinitionSummary](#)
- [TaskParameterValue](#)
- [TaskRunSessionActionDefinition](#)
- [TaskRunSessionActionDefinitionSummary](#)
- [TaskSearchSummary](#)
- [TaskSummary](#)
- [UpdatedSessionActionInfo](#)
- [UsageTrackingResource](#)

- [UserJobsFirst](#)
- [ValidationExceptionField](#)
- [VCpuCountRange](#)
- [WindowsUser](#)
- [WorkerAmountCapability](#)
- [WorkerAttributeCapability](#)
- [WorkerCapabilities](#)
- [WorkerSearchSummary](#)
- [WorkerSessionSummary](#)
- [WorkerSummary](#)

AcceleratorCountRange

The range for the GPU fleet acceleration.

Contents

min

The minimum GPU for the accelerator.

Type: Integer

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

Required: Yes

max

The maximum GPU for the accelerator.

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](#)

AcceleratorTotalMemoryMiBRange

The range for 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](#)

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 attachment to sync with an 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 details for an assigned session action as it relates to a job attachment.

Contents

stepId

The step ID.

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: 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](#)

Attachments

The attachments for jobs.

Contents

manifests

A list of manifests which describe job attachment configurations.

Type: Array of [ManifestProperties](#) objects

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

Required: Yes

fileSystem

The file system.

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](#)

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.

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.

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

The description of the budget summary.

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](#)

CustomerManagedFleetConfiguration

The details of a customer managed fleet configuration.

Contents

mode

The AWS Auto Scaling mode for the customer managed fleet configuration.

Type: String

Valid Values: NO_SCALING | EVENT_BASED_AUTO_SCALING

Required: Yes

workerCapabilities

The worker capabilities for a customer managed fleet configuration.

Type: [CustomerManagedWorkerCapabilities](#) object

Required: Yes

storageProfileId

The storage profile ID.

Type: String

Pattern: ^sp-[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](#)

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 managed 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 managed 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 time stamp 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

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 | InternalServerErrorException | 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.

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.

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

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

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](#)

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

Pattern: `^[a-zA-Z0-9]+\.[a-zA-Z0-9]+$`

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` | `InternalServerErrorException` | `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.

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: [JobAttachmentSettings](#) 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

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` | `InternalServerErrorException` | `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](#)

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

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

name

The job name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 128.

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

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

targetTaskRunStatus

The task status to start with on the job.

Type: String

Valid Values: READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING

Required: No

taskRunStatus

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

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 128.

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

startedAt

The date and time the resource started running.

Type: Timestamp

Required: No

targetTaskRunStatus

The task status to start with on the job.

Type: String

Valid Values: READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING

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: `^1e-[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

vpId

The VCP(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](#)

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 has 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.

Type: String

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

Required: Yes

identityCenterApplicationArn

The Amazon Resource Name (ARN) that the IAM Identity Center assigned to the monitor when it was created.

Type: String

Required: Yes

identityCenterInstanceArn

The Amazon Resource Name (ARN) 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 (ARN) 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

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

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](#)

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](#)

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](#)

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.

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.

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](#)

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

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 filter expression, AND or OR, to use when searching among a group of search strings in a resource. You can use two groupings per search each within parenthesis ().

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

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 Amazon EC2 fleet.

Contents

instanceCapabilities

The Amazon EC2 instance capabilities.

Type: [ServiceManagedEc2InstanceCapabilities](#) object

Required: Yes

instanceMarketOptions

The Amazon EC2 market type.

Type: [ServiceManagedEc2InstanceMarketOptions](#) object

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](#)

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: `LINUX`

Required: Yes

vCpuCount

The amount of vCPU to require for instances in this fleet.

Type: [VCpuCountRange](#) object

Required: Yes

allowedInstanceTypes

The allowable Amazon EC2 instance types.

Type: Array of strings

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

Pattern: `^[a-zA-Z0-9]+\.[a-zA-Z0-9]+$`

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.

Pattern: `^[a-zA-Z0-9]+\.[a-zA-Z0-9]+$`

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

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 job attachments to sync with a session action.

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 job attachments to sync with the session action definition.

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

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

Pattern: `^[a-zA-Z0-9]+\.[a-zA-Z0-9]+$`

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 128.

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`

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` | `InternalServerErrorException` | `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 64.

Required: Yes

type

The data type of the parameter.

Type: String

Valid Values: INT | FLOAT | STRING | PATH

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](#)

StepRequiredCapabilities

The details of required step capabilities.

Contents

amounts

The capability amounts that the step requires.

Type: Array of [StepAmountCapability](#) objects

Required: Yes

attributes

The capability attributes that the step requires.

Type: Array of [StepAttributeCapability](#) 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](#)

StepSearchSummary

The details of a step search.

Contents

createdAt

The date and time the resource was created.

Type: Timestamp

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 64.

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 start with on the job.

Type: String

Valid Values: READY | FAILED | SUCCEEDED | CANCELED | SUSPENDED | PENDING

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

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 64.

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 start with on the job.

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](#)

StorageProfileSummary

The details of a storage profile.

Contents

displayName

The display name of the storage profile summary to update.

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

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](#)

SyncInputJobAttachmentsSessionActionDefinition

The job attachment in a session action to sync.

Contents

stepId

The step ID for the step in the job attachment.

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 details of a synced job attachment.

Contents

stepId

The step ID of the step in the job attachment.

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.

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](#)

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: 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](#)

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

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](#)

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

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

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 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

processExitCode

The process exit code.

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](#)

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*.

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

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 Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400