



API Reference

# AWS Deadline Cloud



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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 3, 2024.

# Actions

The following actions are supported:

- [AssociateMemberToFarm](#)
- [AssociateMemberToFleet](#)
- [AssociateMemberToJob](#)
- [AssociateMemberToQueue](#)
- [AssumeFleetRoleForRead](#)
- [AssumeFleetRoleForWorker](#)
- [AssumeQueueRoleForRead](#)
- [AssumeQueueRoleForUser](#)
- [AssumeQueueRoleForWorker](#)
- [BatchGetJobEntity](#)
- [CopyJobTemplate](#)
- [CreateBudget](#)
- [CreateFarm](#)
- [CreateFleet](#)
- [CreateJob](#)
- [CreateLicenseEndpoint](#)
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- [DeleteBudget](#)
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- [DeleteFleet](#)
- [DeleteLicenseEndpoint](#)
- [DeleteMeteredProduct](#)

- [DeleteMonitor](#)
- [DeleteQueue](#)
- [DeleteQueueEnvironment](#)
- [DeleteQueueFleetAssociation](#)
- [DeleteStorageProfile](#)
- [DeleteWorker](#)
- [DisassociateMemberFromFarm](#)
- [DisassociateMemberFromFleet](#)
- [DisassociateMemberFromJob](#)
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- [GetBudget](#)
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- [GetTask](#)
- [GetWorker](#)
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- [SearchJobs](#)
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- [StartSessionsStatisticsAggregation](#)
- [TagResource](#)

- [UntagResource](#)
- [UpdateBudget](#)
- [UpdateFarm](#)
- [UpdateFleet](#)
- [UpdateJob](#)
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- [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-~]+)*/[!-.,@-]+$`

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-f\0-9]{8}-[A-Fa-f\0-9]{4}-[A-Fa-f\0-9]{4}-[A-Fa-f\0-9]{4}-[A-Fa-f\0-9]{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: `^1e-[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: `^1e-[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:  $^([\text{0-9a-f}]{10}-|)[\text{A-Fa-f0-9}]{8}-[\text{A-Fa-f0-9}]{4}-[\text{A-Fa-f0-9}]{4}-[\text{A-Fa-f0-9}]{4}-[\text{A-Fa-f0-9}]{4}-[\text{A-Fa-f0-9}]{12}\$$

## 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: `^1e-[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": { ... },
        "sessionActionId": "string"
      }
    ]
  },
  "cancelSessionActions": {
    "string" : [ "string" ]
  },
  "desiredWorkerStatus": "string",
  "updateIntervalSeconds": number
}
```

## Response Elements

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

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

### assignedSessions

The assigned sessions to update.

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

Key Pattern: ^session-[0-9a-f]{32}\$

### cancelSessionActions

The session actions associated with the worker schedule to cancel.

Type: String to array of strings map

Key Pattern: ^session-[0-9a-f]{32}\$

Array Members: Minimum number of 0 items. Maximum number of 100 items.

Pattern: ^sessionaction-[0-9a-f]{32}-(0|([1-9][0-9]{0,9}))\$

### desiredWorkerStatus

The status to update the worker to.

Type: String

Valid Values: STOPPED

### updateIntervalSeconds

Updates the time interval (in seconds) for the schedule.

Type: Integer

Valid Range: Minimum value of 0.

## Errors

For information about the errors that are common to all actions, see [Common 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: `^[ -]?(\d|[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: `^[ -]?(\d|[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

### **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}$`

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: `^[ -]?(\d|[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: `^[ -]?(\d|[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