aws

API Reference

Amazon Managed Workflows for Apache Airflow Serverless

API Version 2024-07-26

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Amazon Managed Workflows for Apache Airflow Serverless: API Reference

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Welcome

Amazon Managed Workflows for Apache Airflow Serverless provides a managed workflow orchestration platform for running Apache Airflow workflows in a serverless environment. You can use Amazon Managed Workflows for Apache Airflow Serverless to create, manage, and run data processing workflows without managing the underlying infrastructure, Airflow clusters, metadata databases, or scheduling overhead. The service provides secure multi-tenant run environments with automatic scaling, comprehensive logging, and integration with multiple AWS services for orchestrating complex analytics workloads.

This document was last published on October 9, 2026.

Actions

The following actions are supported:

- CreateWorkflow
- DeleteWorkflow
- GetTaskInstance
- GetWorkflow
- GetWorkflowRun
- ListTagsForResource
- ListTaskInstances
- ListWorkflowRuns
- ListWorkflows
- ListWorkflowVersions
- StartWorkflowRun
- StopWorkflowRun
- TagResource
- UntagResource
- UpdateWorkflow

CreateWorkflow

Creates a new workflow in Amazon Managed Workflows for Apache Airflow Serverless. This operation initializes a workflow with the specified configuration including the workflow definition, execution role, and optional settings for encryption, logging, and networking. You must provide the workflow definition as a YAML file stored in Amazon S3 that defines the DAG structure using supported AWS operators. Amazon Managed Workflows for Apache Airflow Serverless automatically creates the first version of the workflow and sets up the necessary execution environment with multi-tenant isolation and security controls.

Request Syntax

```
{
   "ClientToken": "string",
   "Code": { ... },
   "DefinitionS3Location": {
      "Bucket": "string",
      "ObjectKey": "string",
      "VersionId": "string"
   },
   "Description": "string",
   "EncryptionConfiguration": {
      "KmsKeyId": "string",
      "Type": "string"
   },
   "EngineVersion": number,
   "LoggingConfiguration": {
      "LogGroupName": "string"
   },
   "Name": "string",
   "NetworkConfiguration": {
      "SecurityGroupIds": [ "string" ],
      "SubnetIds": [ "string" ]
   },
   "RoleArn": "string",
   "Tags": {
      "string" : "string"
   },
   "TriggerMode": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. This token prevents duplicate workflow creation requests.

Type: String

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

Pattern: `[\x21-\x7E]+`

Required: No

Code

The location of code artifacts in Amazon S3 for the workflow. The service copies the code from this location at the time of the request.

Type: Code object

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

Required: No

DefinitionS3Location

The Amazon S3 location where the workflow definition file is stored. This must point to a valid YAML file that defines the workflow structure using supported AWS operators and tasks. Amazon Managed Workflows for Apache Airflow Serverless takes a snapshot of the definition at creation time, so subsequent changes to the Amazon S3 object will not affect the workflow unless you create a new version. In your YAML definition, include task dependencies, scheduling information, and operator configurations that are compatible with the Amazon Managed Workflows for Apache Airflow Serverless execution environment.

Type: DefinitionS3Location object

Required: Yes

Description

An optional description of the workflow that you can use to provide additional context about the workflow's purpose and functionality.

Type: String

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

Pattern: `.+`

Required: No

EncryptionConfiguration

The configuration for encrypting workflow data at rest and in transit. Specifies the encryption type and optional KMS key for customer-managed encryption.

Type: EncryptionConfiguration object

Required: No

EngineVersion

The version of the Amazon Managed Workflows for Apache Airflow Serverless engine that you want to use for this workflow. This determines the feature set, supported operators, and execution environment capabilities available to your workflow. Amazon Managed Workflows for Apache Airflow Serverless maintains backward compatibility across versions while introducing new features and improvements. Currently supports version 1 with plans for additional versions as the service evolves.

Type: Integer

Required: No

LoggingConfiguration

The configuration for workflow logging. Specifies the CloudWatch log group where workflow execution logs are stored. Amazon Managed Workflows for Apache Airflow Serverless automatically exports worker logs and task-level information to the specified log group in your account using remote logging functionality. This provides comprehensive observability for debugging and monitoring workflow execution across the distributed, serverless environment.

Type: LoggingConfiguration object

Required: No

Name

The name of the workflow. You must use unique workflow names within your AWS account. The service generates a unique identifier that is appended to ensure temporal uniqueness across the account lifecycle.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: Yes

NetworkConfiguration

Network configuration for the workflow execution environment, including VPC security groups and subnets for secure network access. When specified, Amazon Managed Workflows for Apache Airflow Serverless deploys ECS worker tasks in your customer VPC to provide secure connectivity to your resources. If not specified, tasks run in the service's default worker VPC with network isolation from other customers. This configuration enables secure access to VPC-only resources like RDS databases or private endpoints.

Type: NetworkConfiguration object

Required: No

RoleArn

The Amazon Resource Name (ARN) of the IAM role that Amazon Managed Workflows for Apache Airflow Serverless assumes when executing the workflow. This role must have the necessary permissions to access the required AWS services and resources that your workflow tasks will interact with. The role is used for task execution in the isolated, multi-tenant environment and should follow the principle of least privilege. Amazon Managed Workflows for Apache Airflow Serverless validates role access during workflow creation but runtime permission checks are performed by the target services.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:iam::[0-9]{12}:role(/[a-zA-Z0-9+=,.@_\-]{1,512})*?/[a-zA-Z0-9+=,.@_\-]{1,64}`

Required: Yes

Tags

A map of tags to assign to the workflow resource. Tags are key-value pairs that are used for resource organization and cost allocation.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `.*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `.*`

Required: No

TriggerMode

The trigger mode for the workflow execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

Required: No

Response Syntax

```
{
   "CreatedAt": "string",
   "IsLatestVersion": boolean,
   "RevisionId": "string",
   "Warnings": [ "string" ],
   "WorkflowArn": "string",
```

```
    "WorkflowStatus": "string",
    "WorkflowVersion": "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 timestamp when the workflow was created, in ISO 8601 date-time format.

Type: Timestamp

IsLatestVersion

A Boolean flag that indicates whether this workflow version is the latest version of the workflow.

Type: Boolean

RevisionId

A unique identifier for this revision of the workflow configuration. This ID changes when the workflow is updated and you can use it for optimistic concurrency control in update operations. The revision ID helps prevent conflicting updates and ensures that updates are applied to the expected version of the workflow configuration.

Type: String

Warnings

Warning messages generated during workflow creation.

Type: Array of strings

WorkflowArn

The Amazon Resource Name (ARN) of the newly created workflow. This ARN uniquely identifies the workflow resource.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

WorkflowStatus

The current status of the workflow. Possible values are `READY` (workflow is ready to run) and `DELETING` (workflow is being deleted).

Type: String

Valid Values: `READY | DELETING`

WorkflowVersion

The version identifier of the workflow. This is a service-generated alphanumeric string that uniquely identifies this version of the workflow. Amazon Managed Workflows for Apache Airflow Serverless uses a version-first approach where each workflow can have multiple immutable versions, which allows you to maintain different configurations and roll back to previous versions as needed. The version identifier is used in ARNs and API operations to reference specific workflow versions.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[a-z0-9]{32}`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

ConflictException

You cannot create a resource that already exists, or the resource is in a state that prevents the requested operation.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ServiceQuotaExceededException

The request exceeds the service quota for Amazon Managed Workflows for Apache Airflow Serverless resources. This can occur when you attempt to create more workflows than allowed, exceed concurrent workflow run limits, or surpass task execution limits. Amazon Managed Workflows for Apache Airflow Serverless implements admission control using DynamoDB-based counters to manage resource utilization across the multi-tenant environment. Contact AWS Support to request quota increases if you need higher limits for your use case.

QuotaCode

The code of the quota.

ResourceId

The unique identifier of the resource.

ResourceType

The type of resource affected.

ServiceCode

The code for the service.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

DeleteWorkflow

Deletes a workflow and all its versions. This operation permanently removes the workflow and cannot be undone. Amazon Managed Workflows for Apache Airflow Serverless ensures that all associated resources are properly cleaned up, including stopping any running executions, removing scheduled triggers, and cleaning up execution history. The deletion process respects the multi-tenant isolation boundaries and ensures that no residual data or configurations remain that could affect other customers or workflows.

Request Syntax

```
{
   "WorkflowArn": "string",
   "WorkflowVersion": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

WorkflowArn

The Amazon Resource Name (ARN) of the workflow you want to delete.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

WorkflowVersion

Optional. The specific version of the workflow to delete. If not specified, all versions of the workflow are deleted.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[a-z0-9]{32}`

Required: No

Response Syntax

```
{
   "WorkflowArn": "string",
   "WorkflowVersion": "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.

WorkflowArn

The Amazon Resource Name (ARN) of the deleted workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

WorkflowVersion

The version of the workflow that was deleted.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[a-z0-9]{32}`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling,

implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

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

GetTaskInstance

Retrieves detailed information about a specific task instance within a workflow run. Task instances represent individual tasks that are executed as part of a workflow in the Amazon Managed Workflows for Apache Airflow Serverless environment. Each task instance runs in an isolated ECS container with dedicated resources and security boundaries. The service tracks task execution state, retry attempts, and provides detailed timing and error information for troubleshooting and monitoring purposes.

Request Syntax

```
{
   "RunId": "string",
   "TaskInstanceId": "string",
   "WorkflowArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RunId

The unique identifier of the workflow run that contains the task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: Yes

TaskInstanceId

The unique identifier of the task instance to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: Yes

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains the task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

Response Syntax

```
{
   "AttemptNumber": number,
   "DurationInSeconds": number,
   "EndedAt": "string",
   "ErrorMessage": "string",
   "LogStream": "string",
   "ModifiedAt": "string",
   "OperatorName": "string",
   "RunId": "string",
   "StartedAt": "string",
   "Status": "string",
   "TaskId": "string",
   "TaskInstanceId": "string",
   "WorkflowArn": "string",
   "WorkflowVersion": "string",
   "Xcom": {
      "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.

AttemptNumber

The attempt number for this task instance.

Type: Integer

DurationInSeconds

The duration of the task instance execution in seconds. This value is null if the task is not complete.

Type: Integer

EndedAt

The timestamp when the task instance completed execution, in ISO 8601 date-time format. This value is null if the task is not complete.

Type: Timestamp

ErrorMessage

The error message if the task instance failed. This value is null if the task completed successfully.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

LogStream

The CloudWatch log stream name for this task instance execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

ModifiedAt

The timestamp when the task instance was last modified, in ISO 8601 date-time format.

Type: Timestamp

OperatorName

The name of the Apache Airflow operator used for this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

RunId

The unique identifier of the workflow run that contains this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

StartedAt

The timestamp when the task instance started execution, in ISO 8601 date-time format. This value is null if the task has not started.

Type: Timestamp

Status

The current status of the task instance.

Type: String

Valid Values: `QUEUED | FAILED | SCHEDULED | RUNNING | SUCCESS | UP_FOR_RESCHEDULE | UP_FOR_RETRY | UPSTREAM_FAILED | REMOVED | RESTARTING | DEFERRED | NONE | CANCELLED | TIMEOUT`

TaskId

The unique identifier of the task definition within the workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

TaskInstanceId

The unique identifier of this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

WorkflowVersion

The version of the workflow that contains this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `.+`

Xcom

Cross-communication data exchanged between tasks in the workflow execution.

Type: String to string map

Key Length Constraints: Minimum length of 1. Maximum length of 255.

Key Pattern: `.*`

Value Length Constraints: Minimum length of 1. Maximum length of 255.

Value Pattern: `.*`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements

throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2

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

GetWorkflow

Retrieves detailed information about a workflow, including its configuration, status, and metadata.

Request Syntax

```
{
   "WorkflowArn": "string",
   "WorkflowVersion": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

WorkflowArn

The Amazon Resource Name (ARN) of the workflow you want to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

WorkflowVersion

Optional. The specific version of the workflow to retrieve. If not specified, the latest version is returned.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[a-z0-9]{32}`

Required: No

Response Syntax

```
{
   "Code": { ... },
   "CodeSnapshottedAt": "string",
   "CreatedAt": "string",
   "DefinitionS3Location": {
      "Bucket": "string",
      "ObjectKey": "string",
      "VersionId": "string"
   },
   "Description": "string",
   "EncryptionConfiguration": {
      "KmsKeyId": "string",
      "Type": "string"
   },
   "EngineVersion": number,
   "LoggingConfiguration": {
      "LogGroupName": "string"
   },
   "ModifiedAt": "string",
   "Name": "string",
   "NetworkConfiguration": {
      "SecurityGroupIds": [ "string" ],
      "SubnetIds": [ "string" ]
   },
   "RoleArn": "string",
   "ScheduleConfiguration": {
      "CronExpression": "string"
   },
   "TriggerMode": "string",
   "WorkflowArn": "string",
   "WorkflowDefinition": "string",
   "WorkflowStatus": "string",
   "WorkflowVersion": "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.

Code

The Amazon S3 location of the code artifacts provided during workflow creation or update.

Type: Code object

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

CodeSnapshottedAt

The time at which the code artifacts were copied for this workflow, in ISO 8601 date-time format.

Type: Timestamp

CreatedAt

The timestamp when the workflow was created, in ISO 8601 date-time format.

Type: Timestamp

DefinitionS3Location

The Amazon S3 location of the workflow definition file.

Type: DefinitionS3Location object

Description

The description of the workflow.

Type: String

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

Pattern: `.+`

EncryptionConfiguration

The encryption configuration for the workflow.

Type: EncryptionConfiguration object

EngineVersion

The version of the Amazon Managed Workflows for Apache Airflow Serverless engine that this workflow uses.

Type: Integer

LoggingConfiguration

The logging configuration for the workflow.

Type: LoggingConfiguration object

ModifiedAt

The timestamp when the workflow was last modified, in ISO 8601 date-time format.

Type: Timestamp

Name

The name of the workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

NetworkConfiguration

The network configuration for the workflow execution environment.

Type: NetworkConfiguration object

RoleArn

The Amazon Resource Name (ARN) of the IAM role used for workflow execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:iam::[0-9]{12}:role(/[a-zA-Z0-9+=,.@_\-]{1,512})*?/[a-zA-Z0-9+=,.@_\-]{1,64}`

ScheduleConfiguration

The schedule configuration for the workflow, including cron expressions for automated execution. Amazon Managed Workflows for Apache Airflow Serverless uses EventBridge Scheduler for cost-effective, timezone-aware scheduling. When a workflow includes schedule

information in its YAML definition, the service automatically configures the appropriate triggers for automated execution. Only one version of a workflow can have an active schedule at any given time.

Type: ScheduleConfiguration object

TriggerMode

The trigger mode for the workflow execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

WorkflowArn

The Amazon Resource Name (ARN) of the workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

WorkflowDefinition

The workflow definition content.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

WorkflowStatus

The current status of the workflow.

Type: String

Valid Values: `READY | DELETING`

WorkflowVersion

The version identifier of the workflow.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[a-z0-9]{32}`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

GetWorkflowRun

Retrieves detailed information about a specific workflow run, including its status, execution details, and task instances.

Request Syntax

```
{
   "RunId": "string",
   "WorkflowArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RunId

The unique identifier of the workflow run to retrieve.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: Yes

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains the run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

Response Syntax

```
{
   "OverrideParameters": {
      "string" : JSON value
   },
   "RunDetail": {
      "CompletedOn": "string",
      "CreatedAt": "string",
      "Duration": number,
      "ErrorMessage": "string",
      "ModifiedAt": "string",
      "RunId": "string",
      "RunState": "string",
      "RunType": "string",
      "StartedOn": "string",
      "TaskInstances": [ "string" ],
      "WorkflowArn": "string",
      "WorkflowVersion": "string"
   },
   "RunId": "string",
   "RunType": "string",
   "WorkflowArn": "string",
   "WorkflowVersion": "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.

OverrideParameters

Parameters that were overridden for this specific workflow run.

Type: String to JSON value map

RunDetail

Detailed information about the workflow run execution, including timing, status, and task instances.

Type: WorkflowRunDetail object

RunId

The unique identifier of this workflow run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

RunType

The type of workflow run. Values are `ON_DEMAND` (manually triggered) or `SCHEDULED` (automatically triggered by schedule).

Type: String

Valid Values: `ON_DEMAND | SCHEDULED`

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains this run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

WorkflowVersion

The version of the workflow that is used for this run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `.+`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

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

ListTagsForResource

Lists all tags that are associated with a specified Amazon Managed Workflows for Apache Airflow Serverless resource.

Request Syntax

```
{
   "ResourceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

The Amazon Resource Name (ARN) of the resource for which to list tags.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

Response Syntax

```
{
   "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

A map of tags that are associated with the resource, where each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `.*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `.*`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates

workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

ListTaskInstances

Lists all task instances for a specific workflow run, with optional pagination support.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "RunId": "string",
   "WorkflowArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of task instances to return in a single response.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The pagination token you need to use to retrieve the next set of results. This value is returned from a previous call to `ListTaskInstances`.

Type: String

Required: No

RunId

The unique identifier of the workflow run for which you want a list of task instances.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: Yes

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains the run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "TaskInstances": [
      {
         "DurationInSeconds": number,
         "OperatorName": "string",
         "RunId": "string",
         "Status": "string",
         "TaskInstanceId": "string",
         "WorkflowArn": "string",
         "WorkflowVersion": "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 pagination token you need to use to retrieve the next set of results. This value is null if there are no more results.

Type: String

TaskInstances

A list of task instance summaries for the specified workflow run.

Type: Array of TaskInstanceSummary objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling,

implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

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

ListWorkflowRuns

Lists all runs for a specified workflow, with optional pagination and filtering support.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "WorkflowArn": "string",
   "WorkflowVersion": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of workflow runs to return in a single response.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The pagination token you need to use to retrieve the next set of results. This value is returned from a previous call to `ListWorkflowRuns`.

Type: String

Required: No

WorkflowArn

The Amazon Resource Name (ARN) of the workflow for which you want a list of runs.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

WorkflowVersion

Optional. The specific version of the workflow for which you want a list of runs. If not specified, runs for all versions are returned.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `.+`

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "WorkflowRuns": [
      {
         "RunDetailSummary": {
            "CreatedOn": "string",
            "EndedAt": "string",
            "StartedAt": "string",
            "Status": "string"
         },
         "RunId": "string",
         "RunType": "string",
         "WorkflowArn": "string",
         "WorkflowVersion": "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 pagination token you need to use to retrieve the next set of results. This value is null if there are no more results.

Type: String

WorkflowRuns

A list of workflow run summaries for the specified workflow.

Type: Array of WorkflowRunSummary objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements

throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

- AWS Command Line Interface V2

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

ListWorkflows

Lists all workflows in your account, with optional pagination support. This operation returns summary information for workflows, showing only the most recently created version of each workflow. Amazon Managed Workflows for Apache Airflow Serverless maintains workflow metadata in a highly available, distributed storage system that enables efficient querying and filtering. The service implements proper access controls to ensure you can only view workflows that you have permissions to access, supporting both individual and team-based workflow management scenarios.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of workflows you want to return in a single response.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The pagination token you need to use to retrieve the next set of results. This value is returned from a previous call to `ListWorkflows`.

Type: String

Required: No

Response Syntax

```
{
   "NextToken": "string",
   "Workflows": [
      {
         "CreatedAt": "string",
         "Description": "string",
         "ModifiedAt": "string",
         "Name": "string",
         "TriggerMode": "string",
         "WorkflowArn": "string",
         "WorkflowStatus": "string",
         "WorkflowVersion": "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 pagination token you need to use to retrieve the next set of results. This value is null if there are no more results.

Type: String

Workflows

A list of workflow summaries for all workflows in your account.

Type: Array of WorkflowSummary objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow

definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

ListWorkflowVersions

Lists all versions of a specified workflow, with optional pagination support.

Request Syntax

```
{
   "MaxResults": number,
   "NextToken": "string",
   "WorkflowArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

MaxResults

The maximum number of workflow versions to return in a single response.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 100.

Required: No

NextToken

The pagination token you need to use to retrieve the next set of results. This value is returned from a previous call to `ListWorkflowVersions`.

Type: String

Required: No

WorkflowArn

The Amazon Resource Name (ARN) of the workflow for which you want to list versions.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

Response Syntax

```
{
   "NextToken": "string",
   "WorkflowVersions": [
      {
         "CreatedAt": "string",
         "DefinitionS3Location": {
            "Bucket": "string",
            "ObjectKey": "string",
            "VersionId": "string"
         },
         "IsLatestVersion": boolean,
         "ModifiedAt": "string",
         "ScheduleConfiguration": {
            "CronExpression": "string"
         },
         "TriggerMode": "string",
         "WorkflowArn": "string",
         "WorkflowVersion": "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 pagination token you need to use to retrieve the next set of results. This value is null if there are no more results.

Type: String

WorkflowVersions

A list of workflow version summaries for the specified workflow.

Type: Array of WorkflowVersionSummary objects

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

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

StartWorkflowRun

Starts a new execution of a workflow. This operation creates a workflow run that executes the tasks that are defined in the workflow. Amazon Managed Workflows for Apache Airflow Serverless schedules the workflow execution across its managed Airflow environment, automatically scaling ECS worker tasks based on the workload. The service handles task isolation, dependency resolution, and provides comprehensive monitoring and logging throughout the execution lifecycle.

Request Syntax

```
{
   "ClientToken": "string",
   "OverrideParameters": {
      "string" : JSON value
   },
   "WorkflowArn": "string",
   "WorkflowVersion": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request. This token prevents duplicate workflow run requests.

Type: String

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

Pattern: `[\x21-\x7E]+`

Required: No

OverrideParameters

Optional parameters to override default workflow parameters for this specific run. These parameters are passed to the workflow during execution and can be used to customize behavior

without modifying the workflow definition. Parameters are made available as environment variables to tasks and you can reference them within the YAML workflow definition using standard parameter substitution syntax.

Type: String to JSON value map

Required: No

WorkflowArn

The Amazon Resource Name (ARN) of the workflow you want to run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

WorkflowVersion

Optional. The specific version of the workflow to execute. If not specified, the latest version is used.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `.+`

Required: No

Response Syntax

```
{
   "RunId": "string",
   "StartedAt": "string",
   "Status": "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.

RunId

The unique identifier of the newly started workflow run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

StartedAt

The timestamp when the workflow run was started, in ISO 8601 date-time format.

Type: Timestamp

Status

The initial status of the workflow run. This is typically `STARTING` when you first create the run.

Type: String

Valid Values: `STARTING | QUEUED | RUNNING | SUCCESS | FAILED | TIMEOUT | STOPPING | STOPPED`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

ConflictException

You cannot create a resource that already exists, or the resource is in a state that prevents the requested operation.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ServiceQuotaExceededException

The request exceeds the service quota for Amazon Managed Workflows for Apache Airflow Serverless resources. This can occur when you attempt to create more workflows than allowed, exceed concurrent workflow run limits, or surpass task execution limits. Amazon Managed Workflows for Apache Airflow Serverless implements admission control using DynamoDB-based

counters to manage resource utilization across the multi-tenant environment. Contact AWS Support to request quota increases if you need higher limits for your use case.

QuotaCode

The code of the quota.

ResourceId

The unique identifier of the resource.

ResourceType

The type of resource affected.

ServiceCode

The code for the service.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow

definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

StopWorkflowRun

Stops a running workflow execution. This operation terminates all running tasks and prevents new tasks from starting. Amazon Managed Workflows for Apache Airflow Serverless gracefully shuts down the workflow execution by stopping task scheduling and terminating active ECS worker containers. The operation transitions the workflow run to a `STOPPING` state and then to `STOPPED` once all cleanup is complete. In-flight tasks may complete or be terminated depending on their current execution state.

Request Syntax

```
{
   "RunId": "string",
   "WorkflowArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

RunId

The unique identifier of the workflow run to stop.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: Yes

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains the run you want to stop.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

Response Syntax

```
{
   "RunId": "string",
   "Status": "string",
   "WorkflowArn": "string",
   "WorkflowVersion": "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.

RunId

The unique identifier of the stopped workflow run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Status

The status of the workflow run after the stop operation. This is typically `STOPPING` or `STOPPED`.

Type: String

Valid Values: `STARTING | QUEUED | RUNNING | SUCCESS | FAILED | TIMEOUT | STOPPING | STOPPED`

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains the stopped run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

WorkflowVersion

The version of the workflow that was stopped.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `.+`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

TagResource

Adds tags to an Amazon Managed Workflows for Apache Airflow Serverless resource. Tags are key-value pairs that help you organize and categorize your resources.

Request Syntax

```
{
   "ResourceArn": "string",
   "Tags": {
      "string" : "string"
   }
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

The Amazon Resource Name (ARN) of the resource to which to add tags.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

Tags

A map of tags to add to the resource. Each tag consists of a key-value pair.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 50 items.

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

Key Pattern: `.*`

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: `.*`

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

UntagResource

Removes tags from an Amazon Managed Workflows for Apache Airflow Serverless resource. This operation removes the specified tags from the resource.

Request Syntax

```
{
   "ResourceArn": "string",
   "TagKeys": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

ResourceArn

The Amazon Resource Name (ARN) of the resource from which to remove tags.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1011.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

TagKeys

A list of tag keys to remove from the resource. Only the keys are required; the values are ignored.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 50 items.

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

Pattern: `.*`

Required: Yes

Response Elements

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

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

UpdateWorkflow

Updates an existing workflow with new configuration settings. This operation allows you to modify the workflow definition, role, and other settings. When you update a workflow, Amazon Managed Workflows for Apache Airflow Serverless automatically creates a new version with the updated configuration and disables scheduling on all previous versions to ensure only one version is actively scheduled at a time. The update operation maintains workflow history while providing a clean transition to the new configuration.

Request Syntax

```
{
   "Code": { ... },
   "DefinitionS3Location": {
      "Bucket": "string",
      "ObjectKey": "string",
      "VersionId": "string"
   },
   "Description": "string",
   "EngineVersion": number,
   "LoggingConfiguration": {
      "LogGroupName": "string"
   },
   "NetworkConfiguration": {
      "SecurityGroupIds": [ "string" ],
      "SubnetIds": [ "string" ]
   },
   "RoleArn": "string",
   "TriggerMode": "string",
   "WorkflowArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters.

The request accepts the following data in JSON format.

Code

The location of code artifacts in Amazon S3 for the updated workflow. The service copies the code from this location at the time of the request.

Type: Code object

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

Required: No

DefinitionS3Location

The Amazon S3 location where the updated workflow definition file is stored.

Type: DefinitionS3Location object

Required: Yes

Description

An updated description for the workflow.

Type: String

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

Pattern: `.+`

Required: No

EngineVersion

The version of the Amazon Managed Workflows for Apache Airflow Serverless engine that you want to use for the updated workflow.

Type: Integer

Required: No

LoggingConfiguration

Updated logging configuration for the workflow.

Type: LoggingConfiguration object

Required: No

NetworkConfiguration

Updated network configuration for the workflow execution environment.

Type: NetworkConfiguration object

Required: No

RoleArn

The Amazon Resource Name (ARN) of the IAM role that Amazon Managed Workflows for Apache Airflow Serverless assumes when it executes the updated workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:iam::[0-9]{12}:role(/[a-zA-Z0-9+=,.@_\-]{1,512})*?/[a-zA-Z0-9+=,.@_\-]{1,64}`

Required: Yes

TriggerMode

The trigger mode for the workflow execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

Required: No

WorkflowArn

The Amazon Resource Name (ARN) of the workflow you want to update.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

Response Syntax

```
{
   "ModifiedAt": "string",
   "Warnings": [ "string" ],
   "WorkflowArn": "string",
   "WorkflowVersion": "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.

ModifiedAt

The timestamp when the workflow was last modified, in ISO 8601 date-time format.

Type: Timestamp

Warnings

Warning messages generated during workflow update.

Type: Array of strings

WorkflowArn

The Amazon Resource Name (ARN) of the updated workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

WorkflowVersion

The version identifier of the updated workflow.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[a-z0-9]{32}`

Errors

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

AccessDeniedException

You do not have sufficient permission to perform this action.

HTTP Status Code: 400

ConflictException

You cannot create a resource that already exists, or the resource is in a state that prevents the requested operation.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

InternalServerException

An unexpected server-side error occurred during request processing.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

HTTP Status Code: 500

OperationTimeoutException

The operation timed out.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource was not found. You can only access or modify a resource that already exists.

ResourceId

The unique identifier of the resource.

ResourceType

The type of the resource.

HTTP Status Code: 400

ServiceQuotaExceededException

The request exceeds the service quota for Amazon Managed Workflows for Apache Airflow Serverless resources. This can occur when you attempt to create more workflows than allowed, exceed concurrent workflow run limits, or surpass task execution limits. Amazon Managed Workflows for Apache Airflow Serverless implements admission control using DynamoDB-based counters to manage resource utilization across the multi-tenant environment. Contact AWS Support to request quota increases if you need higher limits for your use case.

QuotaCode

The code of the quota.

ResourceId

The unique identifier of the resource.

ResourceType

The type of resource affected.

ServiceCode

The code for the service.

HTTP Status Code: 400

ThrottlingException

The request was denied because too many requests were made in a short period, exceeding the service rate limits. Amazon Managed Workflows for Apache Airflow Serverless implements throttling controls to ensure fair resource allocation across all customers in the multi-tenant

environment. This helps maintain service stability and performance. If you encounter throttling, implement exponential backoff and retry logic in your applications, or consider distributing your API calls over a longer time period.

QuotaCode

The code of the quota.

RetryAfterSeconds

The number of seconds to wait before retrying the operation.

ServiceCode

The code for the service.

HTTP Status Code: 400

ValidationException

The specified request parameters are invalid, missing, or inconsistent with Amazon Managed Workflows for Apache Airflow Serverless service requirements. This can occur when workflow definitions contain unsupported operators, when required IAM permissions are missing, when S3 locations are inaccessible, or when network configurations are invalid. The service validates workflow definitions, execution roles, and resource configurations to ensure compatibility with the managed Airflow environment and security requirements.

FieldList

The fields that failed validation.

Reason

The reason the request failed validation.

HTTP Status Code: 400

See Also

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

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

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

Data Types

The AmazonMWAAServerless 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:

- Code
- DefinitionS3Location
- EncryptionConfiguration
- LoggingConfiguration
- NetworkConfiguration
- RunDetailSummary
- S3Location
- ScheduleConfiguration
- TaskInstanceSummary
- ValidationExceptionField
- WorkflowRunDetail
- WorkflowRunSummary
- WorkflowSummary
- WorkflowVersionSummary

Code

Specifies the Amazon S3 location of code artifacts that workflows use during execution.

Contents

> **Important**
>
> This data type is a UNION, so only one of the following members can be specified when used or returned.

S3Location

The Amazon S3 location of the code artifacts that your workflow tasks use during execution.

Type: S3Location 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

DefinitionS3Location

Specifies the Amazon S3 location of a workflow definition file. This structure contains the bucket name, object key, and optional version ID for the workflow definition. Amazon Managed Workflows for Apache Airflow Serverless takes a snapshot of the definition file at the time of workflow creation or update, ensuring that the workflow behavior remains consistent even if the source file is modified. The definition must be a valid YAML file that uses supported AWS operators and Amazon Managed Workflows for Apache Airflow Serverless syntax.

Contents

Bucket

The name of the Amazon S3 bucket that contains the workflow definition file.

Type: String

Required: Yes

ObjectKey

The key (name) of the workflow definition file within the S3 bucket.

Type: String

Required: Yes

VersionId

Optional. The version ID of the workflow definition file in Amazon S3. If not specified, the latest version is used.

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

EncryptionConfiguration

Configuration for encrypting workflow data at rest and in transit. Amazon Managed Workflows for Apache Airflow Serverless provides comprehensive encryption capabilities to protect sensitive workflow data, parameters, and execution logs. When using customer-managed keys, the service integrates with AWS AWS KMS to provide fine-grained access control and audit capabilities. Encryption is applied consistently across the distributed execution environment including task containers, metadata storage, and log streams.

Contents

Type

The type of encryption to use. Values are `AWS_MANAGED_KEY` (AWS manages the encryption key) or `CUSTOMER_MANAGED_KEY` (you provide a KMS key).

Type: String

Valid Values: `AWS_MANAGED_KEY | CUSTOMER_MANAGED_KEY`

Required: Yes

KmsKeyId

The ID or ARN of the AWS KMS key to use for encryption. Required when `Type` is `CUSTOMER_MANAGED_KEY`.

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

LoggingConfiguration

Configuration for workflow logging that specifies where you should store your workflow execution logs. Amazon Managed Workflows for Apache Airflow Serverless provides comprehensive logging capabilities that capture workflow execution details, task-level information, and system events. Logs are automatically exported to your specified CloudWatch log group using remote logging functionality, providing centralized observability across the distributed, multi-tenant execution environment. This enables effective debugging, monitoring, and compliance auditing of workflow executions.

Contents

LogGroupName

The name of the CloudWatch log group where workflow execution logs are stored.

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

NetworkConfiguration

Network configuration for workflow execution. Specifies VPC security groups and subnets for secure network access. When provided, Amazon Managed Workflows for Apache Airflow Serverless deploys ECS worker tasks in your specified VPC configuration, enabling secure access to VPC-only resources. The service uses a proxy API container architecture where one container handles external communication while the worker container connects to your VPC for task execution. This design provides both security isolation and connectivity flexibility.

Contents

SecurityGroupIds

A list of VPC security group IDs to associate with the workflow execution environment.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `sg-[a-z0-9]*`

Required: No

SubnetIds

A list of VPC subnet IDs where the workflow execution environment is deployed.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `subnet-[a-z0-9]*`

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

RunDetailSummary

Summary information about a workflow run's execution details, including status and timing information.

Contents

CreatedOn

The timestamp when the workflow run was created, in ISO 8601 date-time format.

Type: Timestamp

Required: No

EndedAt

The timestamp when the workflow run completed execution, in ISO 8601 date-time format. This value is null if the run is not complete.

Type: Timestamp

Required: No

StartedAt

The timestamp when the workflow run started execution, in ISO 8601 date-time format.

Type: Timestamp

Required: No

Status

The current status of the workflow run.

Type: String

Valid Values: `STARTING | QUEUED | RUNNING | SUCCESS | FAILED | TIMEOUT | STOPPING | STOPPED`

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

Specifies the Amazon S3 location of code artifacts that workflows use during execution.

Contents

Bucket

The name of the Amazon S3 bucket.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Required: Yes

ObjectKey

The key of the code artifact within the Amazon S3 bucket.

Type: String

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

Required: Yes

VersionId

The version ID of the object in Amazon S3. If not specified, the latest version is used.

Type: String

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

ScheduleConfiguration

The configuration to use to schedule automated workflow execution using cron expressions. Amazon Managed Workflows for Apache Airflow Serverless integrates with EventBridge Scheduler to provide cost-effective, timezone-aware scheduling capabilities. The service supports both time-based and event-based scheduling (event-based scheduling available post-GA). When a workflow definition includes scheduling information, Amazon Managed Workflows for Apache Airflow Serverless automatically configures the appropriate triggers and ensures only one version of a workflow has an active schedule at any time.

Contents

CronExpression

A cron expression that defines when the workflow is automatically executed. Uses standard cron syntax.

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

TaskInstanceSummary

Summary information about a task instance within a workflow run, including its status and execution details.

Contents

DurationInSeconds

The duration of the task instance execution in seconds. This value is null if the task is not complete.

Type: Integer

Required: No

OperatorName

The name of the Apache Airflow operator used for this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

Required: No

RunId

The unique identifier of the workflow run that contains this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: No

Status

The current status of the task instance.

Type: String

Valid Values: `QUEUED | FAILED | SCHEDULED | RUNNING | SUCCESS | UP_FOR_RESCHEDULE | UP_FOR_RETRY | UPSTREAM_FAILED | REMOVED | RESTARTING | DEFERRED | NONE | CANCELLED | TIMEOUT`

Required: No

TaskInstanceId

The unique identifier of this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: No

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: No

WorkflowVersion

The version of the workflow that contains this task instance.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `.+`

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

ValidationExceptionField

Contains information about a field that failed validation, including the field name and a descriptive error message.

Contents

Message

A message that describes why the field failed validation.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `.*`

Required: Yes

Name

The name of the field that failed validation.

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

WorkflowRunDetail

Detailed information about a workflow run execution, including timing, status, error information, and associated task instances. This structure provides comprehensive visibility into the workflow execution lifecycle within the Amazon Managed Workflows for Apache Airflow Serverless serverless environment. The service tracks execution across distributed ECS worker tasks and provides detailed timing information, error diagnostics, and task instance relationships to support effective monitoring and troubleshooting of complex workflow executions.

Contents

CompletedOn

The timestamp when the workflow run completed execution, in ISO 8601 date-time format. This value is null if the run is not complete.

Type: Timestamp

Required: No

CreatedAt

The timestamp when the workflow run was created, in ISO 8601 date-time format.

Type: Timestamp

Required: No

Duration

The total duration of the workflow run execution in seconds. This value is null if the run is not complete.

Type: Integer

Required: No

ErrorMessage

The error message if the workflow run failed. This value is null if the run completed successfully.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

Required: No

ModifiedAt

The timestamp when the workflow run was last modified, in ISO 8601 date-time format.

Type: Timestamp

Required: No

RunId

The unique identifier of this workflow run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: No

RunState

The current execution state of the workflow run.

Type: String

Valid Values: `STARTING | QUEUED | RUNNING | SUCCESS | FAILED | TIMEOUT | STOPPING | STOPPED`

Required: No

RunType

The type of workflow run.

Type: String

Valid Values: `ON_DEMAND | SCHEDULED`

Required: No

StartedOn

The timestamp when the workflow run started execution, in ISO 8601 date-time format.

Type: Timestamp

Required: No

TaskInstances

A list of task instance IDs that are part of this workflow run.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: No

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains this run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: No

WorkflowVersion

The version of the workflow used for this run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `.+`

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

WorkflowRunSummary

Summary information about a workflow run, including basic identification and status information.

Contents

RunDetailSummary

Summary details about the workflow run execution.

Type: RunDetailSummary object

Required: No

RunId

The unique identifier of the workflow run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: No

RunType

The type of workflow run.

Type: String

Valid Values: `ON_DEMAND | SCHEDULED`

Required: No

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains this run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: No

WorkflowVersion

The version of the workflow used for this run.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `.+`

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

WorkflowSummary

Summary information about a workflow, including basic identification and metadata.

Contents

WorkflowArn

The Amazon Resource Name (ARN) of the workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

CreatedAt

The timestamp when the workflow was created, in ISO 8601 date-time format.

Type: Timestamp

Required: No

Description

The description of the workflow.

Type: String

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

Pattern: `.+`

Required: No

ModifiedAt

The timestamp when the workflow was last modified, in ISO 8601 date-time format.

Type: Timestamp

Required: No

Name

The name of the workflow.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `[a-zA-Z0-9]+[a-zA-Z0-9\.\-_]*`

Required: No

TriggerMode

The trigger mode for the workflow execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

Required: No

WorkflowStatus

The current status of the workflow.

Type: String

Valid Values: `READY | DELETING`

Required: No

WorkflowVersion

The version identifier of the workflow.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[a-z0-9]{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

WorkflowVersionSummary

Summary information about a workflow version, including identification and configuration details.

Contents

WorkflowArn

The Amazon Resource Name (ARN) of the workflow that contains this version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2048.

Pattern: `arn:aws(?:-(?:cn|us-gov|iso|iso-b|iso-e|iso-f))?:airflow-serverless:([a-z]{2}-[a-z]+-[0-9]{1}):([0-9]{12}):workflow/([a-zA-Z0-9][a-zA-Z0-9\.\-_]{0,254}-[a-zA-Z0-9]{10})`

Required: Yes

WorkflowVersion

The version identifier of the workflow version.

Type: String

Length Constraints: Fixed length of 32.

Pattern: `[a-z0-9]{32}`

Required: Yes

CreatedAt

The timestamp when the workflow version was created, in ISO 8601 date-time format.

Type: Timestamp

Required: No

DefinitionS3Location

The Amazon S3 location of the workflow definition file for this version.

Type: DefinitionS3Location object

Required: No

IsLatestVersion

Boolean flag that indicates whether this is the latest version of the workflow.

Type: Boolean

Required: No

ModifiedAt

The timestamp when the workflow version was last modified, in ISO 8601 date-time format.

Type: Timestamp

Required: No

ScheduleConfiguration

The schedule configuration for this workflow version.

Type: ScheduleConfiguration object

Required: No

TriggerMode

The trigger mode for the workflow execution.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: `.*`

Required: No

See Also

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

- AWS SDK for C++
- AWS SDK for Java V2

- AWS SDK for Ruby V3

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see Signing AWS API requests in the *IAM User Guide*.

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: `AWS4-HMAC-SHA256`

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: `20120325T120000Z`.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Error Types

This section lists common error types that this AWS service may return. Not all services return all error types listed here. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You don't have permission to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request has expired. Request a new security token and try again.

HTTP Status Code: 403

IncompleteSignature

The request signature doesn't conform to AWS standards. Verify that you're using valid AWS credentials and that your request is properly formatted. If you're using an SDK, ensure it's up to date.

HTTP Status Code: 403

InternalFailure

The request can't be processed right now because of an internal server issue. Try again later. If the problem persists, contact AWS Support.

HTTP Status Code: 500

MalformedHttpRequestException

The request body can't be processed. This typically happens when the request body can't be decompressed using the specified content encoding algorithm. Verify that the content encoding header matches the compression format used.

HTTP Status Code: 400

NotAuthorized

You don't have permissions to perform this action. Verify that your IAM policy includes the required permissions.

HTTP Status Code: 401

OptInRequired

Your AWS account needs a subscription for this service. Verify that you've enabled the service in your account.

HTTP Status Code: 403

RequestAbortedException

The request was aborted before a response could be returned. This typically happens when the client closes the connection.

HTTP Status Code: 400

RequestEntityTooLargeException

The request entity is too large. Reduce the size of the request body and try again.

HTTP Status Code: 413

RequestTimeoutException

The request timed out. The server didn't receive the complete request within the expected time frame. Try again.

HTTP Status Code: 408

ServiceUnavailable

The service is temporarily unavailable. Try again later.

HTTP Status Code: 503

ThrottlingException

Your request rate is too high. The AWS SDKs automatically retry requests that receive this exception. Reduce the frequency of requests.

HTTP Status Code: 400

UnknownOperationException

The action or operation isn't recognized. Verify that the action name is spelled correctly and that it's supported by the API version you're using.

HTTP Status Code: 404

UnrecognizedClientException

The X.509 certificate or AWS access key ID you provided doesn't exist in our records. Verify that you're using valid credentials and that they haven't expired.

HTTP Status Code: 403

ValidationError

The input doesn't meet the required format or constraints. Check that all required parameters are included and that values are valid.

HTTP Status Code: 400