



API Reference

Next generation Resilience Hub



API Version 2026-02-17

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Next generation Resilience Hub: API Reference

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Welcome

The next generation of AWS Resilience Hub is the single location in AWS where you assess and improve the resilience of your critical applications. It helps Site Reliability Engineers (SREs) and development teams proactively reason about resilience at scale — identifying failure modes, discovering hidden dependencies, and report on progress across the enterprise.

This document was last published on June 12, 2026.

Actions

The following actions are supported:

- [CreateAssertion](#)
- [CreateInputSource](#)
- [CreatePolicy](#)
- [CreateReport](#)
- [CreateService](#)
- [CreateServiceFunction](#)
- [CreateServiceFunctionResources](#)
- [CreateSystem](#)
- [CreateUserJourney](#)
- [DeleteAssertion](#)
- [DeleteInputSource](#)
- [DeletePolicy](#)
- [DeleteService](#)
- [DeleteServiceFunction](#)
- [DeleteServiceFunctionResources](#)
- [DeleteSystem](#)
- [DeleteUserJourney](#)
- [GetFailureModeFinding](#)
- [GetPolicy](#)
- [GetService](#)
- [GetSystem](#)
- [GetUserJourney](#)
- [ImportApp](#)
- [ImportPolicy](#)
- [ListAssertions](#)
- [ListDependencies](#)
- [ListFailureModeAssessments](#)

- [ListFailureModeFindings](#)
- [ListInputSources](#)
- [ListPolicies](#)
- [ListReports](#)
- [ListResources](#)
- [ListServiceEvents](#)
- [ListServiceFunctions](#)
- [ListServices](#)
- [ListServiceTopologyEdges](#)
- [ListSystemEvents](#)
- [ListSystems](#)
- [ListTagsForResource](#)
- [ListUserJourneys](#)
- [StartFailureModeAssessment](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateAssertion](#)
- [UpdateDependency](#)
- [UpdateFailureModeFinding](#)
- [UpdatePolicy](#)
- [UpdateService](#)
- [UpdateServiceFunction](#)
- [UpdateSystem](#)
- [UpdateUserJourney](#)

CreateAssertion

Creates a resilience assertion for a service.

Request Syntax

```
POST /v2/create-assertion HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "serviceArn": "string",
  "text": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [A-Za-z0-9_.-]{0,63}

Required: No

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

text

The text content of the assertion.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

Response Syntax

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

```
{
  "assertion": {
    "assertionId": "string",
    "createdAt": number,
    "serviceArn": "string",
    "source": "string",
    "text": "string",
    "updatedAt": number
  }
}
```

Response Elements

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

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

assertion

The created assertion.

Type: [Assertion](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

Service quota exceeded.

HTTP Status Code: 402

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

CreateInputSource

Creates an input source for a service.

Request Syntax

```
POST /v2/create-input-source HTTP/1.1
Content-type: application/json

{
  "clientToken": "string",
  "resourceConfiguration": { ... },
  "serviceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [A-Za-z0-9_.-]{0,63}

Required: No

resourceConfiguration

Resource configuration for an input source. Provide exactly one field.

Type: [ResourceConfiguration](#) object

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

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

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

{
  "inputSourceId": "string",
  "serviceArn": "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.

inputSourceId

The unique identifier assigned to the created input source.

Type: String

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

Pattern: `\S{1,255}`

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

Service quota exceeded.

HTTP Status Code: 402

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

CreatePolicy

Creates a resilience policy that defines availability and disaster recovery requirements.

Request Syntax

```
POST /v2/create-policy HTTP/1.1
Content-type: application/json
```

```
{
  "availabilitySlo": {
    "target": number
  },
  "clientToken": "string",
  "dataRecovery": {
    "timeBetweenBackupsInMinutes": number
  },
  "description": "string",
  "kmsKeyId": "string",
  "multiAz": {
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "multiRegion": {
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "name": "string",
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

availabilitySlo

The availability SLO for the resilience policy.

Type: [AvailabilitySlo](#) object

Required: No

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[A-Za-z0-9_.--]{0,63}`

Required: No

dataRecovery

The data recovery targets for the resilience policy.

Type: [DataRecoveryTargets](#) object

Required: No

description

Resource description for services and policies.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 615.

Required: No

kmsKeyId

KMS key identifier — accepts key ID, key ARN, alias name, or alias ARN.

Type: String

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

Required: No

multiAz

The multi-AZ disaster recovery targets for the resilience policy.

Type: [MultiAzTargets](#) object

Required: No

multiRegion

The multi-Region disaster recovery targets for the resilience policy.

Type: [MultiRegionTargets](#) object

Required: No

name

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: Yes

tags

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[\^\x00-\x1f\x22]+`

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

Value Pattern: `[\^\x00-\x1f\x22]*`

Required: No

Response Syntax

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

{
  "policy": {
    "associatedServiceCount": number,
    "availabilitySlo": {
      "target": number
    },
    "createdAt": number,
    "dataRecovery": {
      "timeBetweenBackupsInMinutes": number
    },
    "description": "string",
    "kmsKeyId": "string",
    "multiAz": {
      "disasterRecoveryApproach": "string",
      "rpoInMinutes": number,
      "rtoInMinutes": number
    },
    "multiRegion": {
      "disasterRecoveryApproach": "string",
      "rpoInMinutes": number,
      "rtoInMinutes": number
    },
    "name": "string",
    "policyArn": "string",
    "tags": {
      "string" : "string"
    },
    "updatedAt": number
  }
}
```

Response Elements

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

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

[policy](#)

The created resilience policy.

Type: [Policy](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

Service quota exceeded.

HTTP Status Code: 402

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

CreateReport

On-demand report creation. Idempotent — duplicate requests with same clientToken return existing result.

Request Syntax

```
POST /v2/create-report HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "reportType": "string",
  "serviceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [A-Za-z0-9_.-]{0,63}

Required: No

reportType

The type of report to generate.

Type: String

Valid Values: FAILURE_MODE

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{
  "reportGenerationResult": {
    "assessmentId": "string",
    "createdAt": number,
    "reportOutput": { ... },
    "reportType": "string",
    "serviceArn": "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.

reportGenerationResult

The result of the report generation request.

Type: [ReportGenerationResult](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

Too many requests — rate limit exceeded.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 429

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

CreateService

Creates a service.

Request Syntax

POST /v2/create-service HTTP/1.1

Content-type: application/json

```
{
  "associatedSystems": [
    {
      "systemArn": "string",
      "systemName": "string",
      "userJourneyIds": [ "string" ]
    }
  ],
  "clientToken": "string",
  "dependencyDiscovery": "string",
  "description": "string",
  "kmsKeyId": "string",
  "name": "string",
  "permissionModel": {
    "crossAccountRoles": [
      {
        "crossAccountRoleArn": "string",
        "externalId": "string"
      }
    ],
    "invokerRoleName": "string"
  },
  "policyArn": "string",
  "regions": [ "string" ],
  "reportConfiguration": {
    "reportOutputs": [
      { ... }
    ]
  },
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

associatedSystems

The systems to associate with the service.

Type: Array of [AssociatedSystem](#) objects

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

Required: No

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[A-Za-z0-9_.-]{0,63}`

Required: No

dependencyDiscovery

Caller-settable values for dependency discovery. INITIALIZING is system-managed.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

description

Resource description for services and policies.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 615.

Required: No

kmsKeyId

KMS key identifier — accepts key ID, key ARN, alias name, or alias ARN.

Type: String

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

Required: No

name

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: Yes

permissionModel

The permission model for the service.

Type: [PermissionModel](#) object

Required: Yes

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: No

regions

The AWS Regions where the service operates.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 6.

Pattern: `[a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]`

Required: Yes

reportConfiguration

Configuration for automatic report generation on a Service.

Type: [ServiceReportConfiguration](#) object

Required: No

tags

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[^\x00-\x1f\x22]+`

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

Value Pattern: `[^\x00-\x1f\x22]*`

Required: No

Response Syntax

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

{
  "service": {
    "accountId": "string",
    "achievability": {
      "availabilitySlo": "string",
```

```
    "multiAzRtoRpo": "string",
    "multiRegionRtoRpo": "string"
  },
  "assessmentStatus": "string",
  "associatedSystems": [
    {
      "systemArn": "string",
      "systemName": "string",
      "userJourneyIds": [ "string" ]
    }
  ],
  "createdAt": number,
  "dependencyDiscovery": {
    "status": "string",
    "updatedAt": number
  },
  "description": "string",
  "effectivePolicyValues": {
    "availabilitySlo": {
      "policyName": "string",
      "source": "string",
      "value": number
    },
    "dataRecoveryTimeBetweenBackups": {
      "policyName": "string",
      "source": "string",
      "value": number
    },
    "multiAzDrApproach": {
      "policyName": "string",
      "source": "string",
      "value": "string"
    },
    "multiAzRpo": {
      "policyName": "string",
      "source": "string",
      "value": number
    },
    "multiAzRto": {
      "policyName": "string",
      "source": "string",
      "value": number
    },
    "multiRegionDrApproach": {
```

```
    "policyName": "string",
    "source": "string",
    "value": "string"
  },
  "multiRegionRpo": {
    "policyName": "string",
    "source": "string",
    "value": number
  },
  "multiRegionRto": {
    "policyName": "string",
    "source": "string",
    "value": number
  }
},
"estimatedAssessmentCost": {
  "amount": number,
  "currency": "string"
},
"kmsKeyId": "string",
"name": "string",
"openFindingsCount": number,
"organizationId": "string",
"ouId": "string",
"permissionModel": {
  "crossAccountRoles": [
    {
      "crossAccountRoleArn": "string",
      "externalId": "string"
    }
  ],
  "invokerRoleName": "string"
},
"policyArn": "string",
"regions": [ "string" ],
"reportConfiguration": {
  "reportOutputs": [
    { ... }
  ]
},
"rerunAssessment": boolean,
"resolvedFindingsCount": number,
"resourceDiscovery": {
  "errorCode": "string",
```

```
    "errorMessage": "string",
    "lastRunAt": number,
    "status": "string"
  },
  "serviceArn": "string",
  "tags": {
    "string" : "string"
  },
  "updatedAt": number
}
```

Response Elements

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

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

service

The created service.

Type: [Service](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

Service quota exceeded.

HTTP Status Code: 402

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

CreateServiceFunction

Creates a service function within a service.

Request Syntax

```
POST /v2/create-service-function HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "criticality": "string",
  "description": "string",
  "name": "string",
  "serviceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [A-Za-z0-9_.-]{0,63}

Required: No

criticality

The criticality level of the service function.

Type: String

Valid Values: PRIMARY | SUPPLEMENTAL

Required: Yes

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

name

Entity label (not part of ARN — spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9 _\-]{1,59}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

HTTP/1.1 200

```
Content-type: application/json

{
  "serviceFunction": {
    "createdAt": number,
    "criticality": "string",
    "description": "string",
    "name": "string",
    "resourceCount": number,
    "serviceArn": "string",
    "serviceFunctionId": "string",
    "source": "string",
    "updatedAt": number
  }
}
```

Response Elements

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

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

serviceFunction

The created service function.

Type: [ServiceFunction](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

Service quota exceeded.

HTTP Status Code: 402

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

CreateServiceFunctionResources

Associates resources with a service function.

Request Syntax

```
POST /v2/create-service-function-resources HTTP/1.1
Content-type: application/json
```

```
{
  "resources": [ "string" ],
  "serviceArn": "string",
  "serviceFunctionId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

resources

The list of resources to associate with the service function.

Type: Array of strings

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

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

serviceFunctionId

The identifier of the service function to associate resources with.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

Response Syntax

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

{
  "resources": [ "string" ],
  "serviceArn": "string",
  "serviceFunctionId": "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.

resources

The list of resources that were associated.

Type: Array of strings

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

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

serviceFunctionId

The identifier of the service function.

Type: String

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

Pattern: `\S{1,255}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)

- [AWS SDK for Ruby V3](#)

CreateSystem

Creates a system that represents a logical grouping of services.

Request Syntax

```
POST /v2/create-system HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "description": "string",
  "kmsKeyId": "string",
  "name": "string",
  "sharingEnabled": boolean,
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [A-Za-z0-9_.--]{0,63}

Required: No

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

kmsKeyId

KMS key identifier — accepts key ID, key ARN, alias name, or alias ARN.

Type: String

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

Required: No

name

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: Yes

sharingEnabled

Indicates whether cross-account sharing is enabled for the system.

Type: Boolean

Required: No

tags

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[^\x00-\x1f\x22]+`

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

Value Pattern: `[^\x00-\x1f\x22]*`

Required: No

Response Syntax

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

{
  "system": {
    "createdAt": number,
    "description": "string",
    "kmsKeyId": "string",
    "name": "string",
    "organizationId": "string",
    "ouId": "string",
    "sharingEnabled": boolean,
    "systemArn": "string",
    "systemId": "string",
    "tags": {
      "string" : "string"
    },
    "updatedAt": number
  }
}
```

Response Elements

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

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

system

The created system.

Type: [System](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

Service quota exceeded.

HTTP Status Code: 402

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

CreateUserJourney

Creates a user journey within a system.

Request Syntax

```
POST /v2/create-user-journey HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "description": "string",
  "name": "string",
  "policyArn": "string",
  "systemArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [A-Za-z0-9_.-]{0,63}

Required: No

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

name

Entity label (not part of ARN — spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9 _\-]{1,59}`

Required: Yes

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

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

{
  "userJourney": {
    "createdAt": number,
    "description": "string",
    "name": "string",
    "policyArn": "string",
    "updatedAt": number,
    "userJourneyId": "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.

userJourney

The created user journey.

Type: [UserJourney](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

Service quota exceeded.

HTTP Status Code: 402

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

DeleteAssertion

Deletes a resilience assertion from a service.

Request Syntax

```
POST /v2/delete-assertion HTTP/1.1
Content-type: application/json
```

```
{
  "assertionId": "string",
  "serviceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

[assertionId](#)

The unique identifier of the assertion to delete.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

[serviceArn](#)

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

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

{
  "assertionId": "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.

assertionId

The unique identifier of the deleted assertion.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

DeleteInputSource

Deletes an input source.

Request Syntax

```
POST /v2/delete-input-source HTTP/1.1
Content-type: application/json
```

```
{
  "inputSourceId": "string",
  "serviceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

inputSourceId

The identifier of the input source to delete.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

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

{
  "inputSourceId": "string",
  "serviceArn": "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.

inputSourceId

The identifier of the deleted input source.

Type: String

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

Pattern: `\S{1,255}`

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

DeletePolicy

Deletes a resilience policy.

Request Syntax

```
POST /v2/delete-policy HTTP/1.1
Content-type: application/json
```

```
{
  "policyArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Response Syntax

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

```
{  
  "policyArn": "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.

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:(([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)

- [AWS SDK for Ruby V3](#)

DeleteService

Deletes a service.

Request Syntax

```
POST /v2/delete-service HTTP/1.1
Content-type: application/json
```

```
{
  "serviceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Response Syntax

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

```
{  
  "serviceArn": "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.

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)

- [AWS SDK for Ruby V3](#)

DeleteServiceFunction

Deletes a service function.

Request Syntax

```
POST /v2/delete-function HTTP/1.1
Content-type: application/json

{
  "serviceArn": "string",
  "serviceFunctionId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

serviceFunctionId

The identifier of the service function to delete.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

Response Syntax

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

{
  "serviceFunctionId": "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.

serviceFunctionId

The identifier of the deleted service function.

Type: String

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

Pattern: `\S{1,255}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

DeleteServiceFunctionResources

Removes resources from a service function.

Request Syntax

```
POST /v2/delete-service-function-resources HTTP/1.1
Content-type: application/json
```

```
{
  "resources": [ "string" ],
  "serviceArn": "string",
  "serviceFunctionId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

resources

The list of resources to remove from the service function.

Type: Array of strings

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

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

serviceFunctionId

The identifier of the service function to remove resources from.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

Response Syntax

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

{
  "resources": [ "string" ],
  "serviceArn": "string",
  "serviceFunctionId": "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.

resources

The list of resources that were removed.

Type: Array of strings

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

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

serviceFunctionId

The identifier of the service function.

Type: String

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

Pattern: `\S{1,255}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)

- [AWS SDK for Ruby V3](#)

DeleteSystem

Deletes a system.

Request Syntax

```
POST /v2/delete-system HTTP/1.1
Content-type: application/json
```

```
{
  "systemArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Response Syntax

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

```
{  
  "systemArn": "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.

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)

- [AWS SDK for Ruby V3](#)

DeleteUserJourney

Deletes a user journey.

Request Syntax

```
POST /v2/delete-user-journey HTTP/1.1
Content-type: application/json
```

```
{
  "systemArn": "string",
  "userJourneyId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

userJourneyId

The identifier of the user journey to delete.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

Response Syntax

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

{
  "userJourneyId": "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.

userJourneyId

The identifier of the deleted user journey.

Type: String

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

Pattern: `\S{1,255}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

GetFailureModeFinding

Retrieves a finding by findingId.

Request Syntax

```
GET /v2/get-failure-mode-finding?findingId=findingId&serviceArn=serviceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

findingId

The unique identifier of the finding to retrieve.

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

serviceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "finding": {
    "comment": "string",
    "description": "string",
    "failureCategory": "string",
    "findingId": "string",
    "infrastructureAndCodeRecommendations": [
      {
        "suggestedChanges": [ "string" ]
      }
    ],
    "name": "string",
    "observabilityRecommendations": [
      {
        "suggestedChanges": [ "string" ]
      }
    ],
    "policyComponent": "string",
    "reasoning": "string",
    "serviceFunctions": [ "string" ],
    "severity": "string",
    "status": "string",
    "testingRecommendations": [
      {
        "suggestedChanges": [ "string" ]
      }
    ],
    "updatedAt": number
  }
}
```

Response Elements

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

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

[finding](#)

The requested finding.

Type: [Finding](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

GetPolicy

Retrieves a resilience policy by ARN.

Request Syntax

```
GET /v2/get-policy?policyArn=policyArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[policyArn](#)

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "policy": {
    "associatedServiceCount": number,
    "availabilitySlo": {
      "target": number
    },
    "createdAt": number,
    "dataRecovery": {
```

```
    "timeBetweenBackupsInMinutes": number
  },
  "description": "string",
  "kmsKeyId": "string",
  "multiAz": {
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "multiRegion": {
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "name": "string",
  "policyArn": "string",
  "tags": {
    "string": "string"
  },
  "updatedAt": number
}
}
```

Response Elements

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

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

policy

The requested resilience policy.

Type: [Policy](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

GetService

Retrieves a service by ARN.

Request Syntax

```
GET /v2/get-service?serviceArn=serviceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

serviceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "service": {
    "accountId": "string",
    "achievability": {
      "availabilitySlo": "string",
      "multiAzRtoRpo": "string",
      "multiRegionRtoRpo": "string"
    },
  },
}
```

```
"assessmentStatus": "string",
"associatedSystems": [
  {
    "systemArn": "string",
    "systemName": "string",
    "userJourneyIds": [ "string" ]
  }
],
"createdAt": number,
"dependencyDiscovery": {
  "status": "string",
  "updatedAt": number
},
"description": "string",
"effectivePolicyValues": {
  "availabilitySlo": {
    "policyName": "string",
    "source": "string",
    "value": number
  },
  "dataRecoveryTimeBetweenBackups": {
    "policyName": "string",
    "source": "string",
    "value": number
  },
  "multiAzDrApproach": {
    "policyName": "string",
    "source": "string",
    "value": "string"
  },
  "multiAzRpo": {
    "policyName": "string",
    "source": "string",
    "value": number
  },
  "multiAzRto": {
    "policyName": "string",
    "source": "string",
    "value": number
  },
  "multiRegionDrApproach": {
    "policyName": "string",
    "source": "string",
    "value": "string"
  }
}
```

```
    },
    "multiRegionRpo": {
      "policyName": "string",
      "source": "string",
      "value": number
    },
    "multiRegionRto": {
      "policyName": "string",
      "source": "string",
      "value": number
    }
  },
  "estimatedAssessmentCost": {
    "amount": number,
    "currency": "string"
  },
  "kmsKeyId": "string",
  "name": "string",
  "openFindingsCount": number,
  "organizationId": "string",
  "ouId": "string",
  "permissionModel": {
    "crossAccountRoles": [
      {
        "crossAccountRoleArn": "string",
        "externalId": "string"
      }
    ],
    "invokerRoleName": "string"
  },
  "policyArn": "string",
  "regions": [ "string" ],
  "reportConfiguration": {
    "reportOutputs": [
      { ... }
    ]
  },
  "rerunAssessment": boolean,
  "resolvedFindingsCount": number,
  "resourceDiscovery": {
    "errorCode": "string",
    "errorMessage": "string",
    "lastRunAt": number,
    "status": "string"
  }
}
```

```
    },  
    "serviceArn": "string",  
    "tags": {  
      "string" : "string"  
    },  
    "updatedAt": number  
  }  
}
```

Response Elements

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

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

service

The requested service.

Type: [Service](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

GetSystem

Retrieves a system by ARN.

Request Syntax

```
GET /v2/get-system?systemArn=systemArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

systemArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{
  "system": {
    "createdAt": number,
    "description": "string",
    "kmsKeyId": "string",
    "name": "string",
```

```
"organizationId": "string",
"ouId": "string",
"sharingEnabled": boolean,
"systemArn": "string",
"systemId": "string",
"tags": {
  "string" : "string"
},
"updatedAt": number
}
```

Response Elements

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

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

system

The requested system.

Type: [System](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

GetUserJourney

Retrieves a user journey.

Request Syntax

```
GET /v2/get-user-journey?systemArn=systemArn&userJourneyId=userJourneyId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

systemArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

userJourneyId

The identifier of the user journey to retrieve.

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

Pattern: `\S{1,255}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "userJourney": {
    "createdAt": number,
    "description": "string",
    "name": "string",
    "policyArn": "string",
    "updatedAt": number,
    "userJourneyId": "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.

userJourney

The requested user journey.

Type: [UserJourney](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ImportApp

Imports a V1 app into the V2 resource model, creating a service with the same name.

Request Syntax

```
POST /v2/import-app HTTP/1.1
Content-type: application/json

{
  "associatedSystems": [
    {
      "systemArn": "string",
      "systemName": "string",
      "userJourneyIds": [ "string" ]
    }
  ],
  "clientToken": "string",
  "kmsKeyId": "string",
  "policyArn": "string",
  "skipManuallyAddedResources": boolean,
  "tags": {
    "string" : "string"
  },
  "v1AppArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

associatedSystems

The systems to associate with the imported service.

Type: Array of [AssociatedSystem](#) objects

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

Required: No

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[A-Za-z0-9_.-]{0,63}`

Required: No

kmsKeyId

KMS key identifier — accepts key ID, key ARN, alias name, or alias ARN.

Type: String

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

Required: No

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

skipManuallyAddedResources

Whether to skip manually added resources during import.

Type: Boolean

Required: No

tags

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[^\x00-\x1f\x22]+`

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

Value Pattern: `[^\x00-\x1f\x22]*`

Required: No

v1AppArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{
  "service": {
    "accountId": "string",
    "achievability": {
      "availabilitySlo": "string",
      "multiAzRtoRpo": "string",
      "multiRegionRtoRpo": "string"
    },
    "assessmentStatus": "string",
    "associatedSystems": [
      {
```

```
    "systemArn": "string",
    "systemName": "string",
    "userJourneyIds": [ "string" ]
  }
],
"createdAt": number,
"dependencyDiscovery": {
  "status": "string",
  "updatedAt": number
},
"description": "string",
"effectivePolicyValues": {
  "availabilitySlo": {
    "policyName": "string",
    "source": "string",
    "value": number
  },
  "dataRecoveryTimeBetweenBackups": {
    "policyName": "string",
    "source": "string",
    "value": number
  },
  "multiAzDrApproach": {
    "policyName": "string",
    "source": "string",
    "value": "string"
  },
  "multiAzRpo": {
    "policyName": "string",
    "source": "string",
    "value": number
  },
  "multiAzRto": {
    "policyName": "string",
    "source": "string",
    "value": number
  },
  "multiRegionDrApproach": {
    "policyName": "string",
    "source": "string",
    "value": "string"
  },
  "multiRegionRpo": {
    "policyName": "string",
```

```
    "source": "string",
    "value": number
  },
  "multiRegionRto": {
    "policyName": "string",
    "source": "string",
    "value": number
  }
},
"estimatedAssessmentCost": {
  "amount": number,
  "currency": "string"
},
"kmsKeyId": "string",
"name": "string",
"openFindingsCount": number,
"organizationId": "string",
"ouId": "string",
"permissionModel": {
  "crossAccountRoles": [
    {
      "crossAccountRoleArn": "string",
      "externalId": "string"
    }
  ],
  "invokerRoleName": "string"
},
"policyArn": "string",
"regions": [ "string" ],
"reportConfiguration": {
  "reportOutputs": [
    { ... }
  ]
},
"rerunAssessment": boolean,
"resolvedFindingsCount": number,
"resourceDiscovery": {
  "errorCode": "string",
  "errorMessage": "string",
  "lastRunAt": number,
  "status": "string"
},
"serviceArn": "string",
"tags": {
```

```
    "string" : "string"  
  },  
  "updatedAt": number  
}
```

Response Elements

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

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

service

The imported service.

Type: [Service](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ImportPolicy

Imports a V1 policy into V2, mapping RTO/RPO values from V1 scenarios.

Request Syntax

```
POST /v2/import-policy HTTP/1.1
Content-type: application/json

{
  "availabilitySlo": {
    "target": number
  },
  "clientToken": "string",
  "kmsKeyId": "string",
  "multiAzDisasterRecoveryApproach": "string",
  "multiRegionDisasterRecoveryApproach": "string",
  "tags": {
    "string" : "string"
  },
  "v1PolicyArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

availabilitySlo

The availability SLO to set on the imported policy.

Type: [AvailabilitySlo](#) object

Required: No

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[A-Za-z0-9_.--]{0,63}`

Required: No

[kmsKeyId](#)

KMS key identifier — accepts key ID, key ARN, alias name, or alias ARN.

Type: String

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

Required: No

[multiAzDisasterRecoveryApproach](#)

The multi-AZ disaster recovery approach for the imported policy.

Type: String

Valid Values: ACTIVE_ACTIVE | HOT_STANDBY | WARM_STANDBY | PILOT_LIGHT | BACKUP_AND_RESTORE

Required: No

[multiRegionDisasterRecoveryApproach](#)

The multi-Region disaster recovery approach for the imported policy.

Type: String

Valid Values: ACTIVE_ACTIVE | HOT_STANDBY | WARM_STANDBY | PILOT_LIGHT | BACKUP_AND_RESTORE

Required: No

[tags](#)

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[^\x00-\x1f\x22]+`

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

Value Pattern: `[^\x00-\x1f\x22]*`

Required: No

v1PolicyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Response Syntax

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

{
  "policy": {
    "associatedServiceCount": number,
    "availabilitySlo": {
      "target": number
    },
    "createdAt": number,
    "dataRecovery": {
      "timeBetweenBackupsInMinutes": number
    },
    "description": "string",
    "kmsKeyId": "string",
    "multiAz": {
```

```
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "multiRegion": {
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "name": "string",
  "policyArn": "string",
  "tags": {
    "string" : "string"
  },
  "updatedAt": number
}
```

Response Elements

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

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

policy

The imported policy.

Type: [Policy](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListAssertions

Lists resilience assertions for a service.

Request Syntax

```
GET /v2/list-assertions?  
maxResults=maxResults&nextToken=nextToken&serviceArn=serviceArn&source=source HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\backslash S\{1, 2000\}$

serviceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: $arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]\{1\}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]\{0,62\}:([a-z]\{2\}-((iso[a-z]\{0,1\}-)|(gov-))\{0,1\}[a-z]+-[0-9]):[0-9]\{12\}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]\{0,1023\}$

Required: Yes

source

Filter assertions by source type.

Valid Values: AI_GENERATED | USER

Request Body

The request does not have a request body.

Response Syntax

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

{
  "assertions": [
    {
      "assertionId": "string",
      "createdAt": number,
      "serviceArn": "string",
      "source": "string",
      "text": "string",
      "updatedAt": number
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

assertions

The list of assertions.

Type: Array of [Assertion](#) objects

nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListDependencies

Lists dependencies discovered for services.

Request Syntax

```
GET /v2/list-dependencies?  
maxResults=maxResults&nextToken=nextToken&queryRangeEndTime=queryRangeEndTime&queryRangeGranularity=queryRangeGranularity  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\backslash S\{1, 2000\}$

queryRangeEndTime

The end time for the dependency query range.

queryRangeGranularity

The granularity for the dependency query range.

Valid Values: HOURLY | DAILY

queryRangeStartTime

The start time for the dependency query range.

serviceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "dependencySummaries": [
    {
      "comment": "string",
      "criticality": "string",
      "dependencyId": "string",
      "dependencyName": "string",
      "dnsName": "string",
      "lastDetectedTime": number,
      "location": "string",
      "provider": "string",
      "queryRange": {
        "dataPoints": [
          {
            "queryCount": number,
            "timestamp": number
          }
        ],
        "endTime": number,
        "granularity": "string",
        "startTime": number
      },
      "serviceArn": "string",
      "sourceRegions": [ "string" ]
    }
  ],
  "nextToken": "string"
}
```

```
}
```

Response Elements

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

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

[dependencySummaries](#)

The list of dependency summaries.

Type: Array of [DependencySummary](#) objects

[nextToken](#)

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListFailureModeAssessments

Lists failure mode assessments.

Request Syntax

```
GET /v2/list-failure-mode-assessments?  
maxResults=maxResults&nextToken=nextToken&serviceArn=serviceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[maxResults](#)

Pagination page size.

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

[nextToken](#)

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\S\{1,2000\}$

[serviceArn](#)

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: $arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]\{1\}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]\{0,62\}:([a-z]\{2\}-((iso[a-z]\{0,1\}-)|(gov-))\{0,1\}[a-z]+-[0-9]):[0-9]\{12\}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]\{0,1023\}$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "assessmentSummaries": [
    {
      "achievability": {
        "availabilitySlo": "string",
        "multiAzRtoRpo": "string",
        "multiRegionRtoRpo": "string"
      },
      "assessmentCost": {
        "amount": number,
        "currency": "string"
      },
      "assessmentId": "string",
      "assessmentStatus": "string",
      "assessmentStep": "string",
      "billableAssessmentUnitCount": number,
      "endedAt": number,
      "errorCode": "string",
      "errorMessage": "string",
      "serviceArn": "string",
      "startedAt": number,
      "totalFindings": number
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

assessmentSummaries

The list of assessment summaries.

Type: Array of [AssessmentSummary](#) objects

nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListFailureModeFindings

List findings.

Request Syntax

```
GET /v2/list-failure-mode-findings?  
failureCategory=failureCategory&maxResults=maxResults&nextToken=nextToken&serviceArn=serviceArn  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

failureCategory

Filter findings by failure category.

Valid Values: SHARED_FATE | EXCESSIVE_LOAD | EXCESSIVE_LATENCY | MISCONFIGURATION_AND_BUGS | SINGLE_POINT_OF_FAILURE

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\backslash S\{1,2000\}$

serviceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: $arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]\{1\}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]\{0,62\}:([a-z]\{2\}-((iso[a-z]\{0,1\}-)|(gov-))\{0,1\}[a-z]+-[0-9]):[0-9]\{12\}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]\{0,1023\}$

Required: Yes

severity

Filter findings by severity.

Valid Values: LOW | MEDIUM | HIGH

status

Filter findings by status.

Valid Values: OPEN | RESOLVED | IRRELEVANT

Request Body

The request does not have a request body.

Response Syntax

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

{
  "findingsSummary": [
    {
      "description": "string",
      "failureCategory": "string",
      "findingId": "string",
      "name": "string",
      "policyComponent": "string",
      "serviceArn": "string",
      "severity": "string",
      "status": "string",
      "updatedAt": number
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

findingsSummary

The list of finding summaries.

Type: Array of [FindingSummary](#) objects

nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListInputSources

Lists input sources for a service.

Request Syntax

```
GET /v2/list-input-sources?  
maxResults=maxResults&nextToken=nextToken&serviceArn=serviceArn&type=type HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

serviceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

type

Filter input sources by type.

Valid Values: `CFN_STACK | TAGS | EKS | TERRAFORM | DESIGN_FILE | MONITORING`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "inputSourceSummaries": [
    {
      "cfnStackArn": "string",
      "createdAt": number,
      "designFileS3Url": "string",
      "eks": {
        "clusterArn": "string",
        "namespaces": [ "string" ]
      },
      "inputSourceId": "string",
      "resourceTags": [
        {
          "key": "string",
          "values": [ "string" ]
        }
      ],
      "tfStateFileUrl": "string",
      "type": "string"
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

inputSourceSummaries

The list of input source summaries.

Type: Array of [InputSourceSummary](#) objects

[nextToken](#)

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\S\{1,2000\}$

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListPolicies

Lists resilience policies.

Request Syntax

```
GET /v2/list-policies?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "policySummaries": [
    {
      "associatedServiceCount": number,
      "availabilitySlo": {
```

```
    "target": number
  },
  "createdAt": number,
  "dataRecovery": {
    "timeBetweenBackupsInMinutes": number
  },
  "multiAz": {
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "multiRegion": {
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "name": "string",
  "policyArn": "string",
  "updatedAt": number
}
]
}
```

Response Elements

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

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

[nextToken](#)

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

[policySummaries](#)

The list of policy summaries.

Type: Array of [PolicySummary](#) objects

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListReports

List reports for a service, or all reports owned by the account if `serviceArn` is not provided.

Request Syntax

```
GET /v2/list-reports?
maxResults=maxResults&nextToken=nextToken&reportType=reportType&serviceArn=serviceArn
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

reportType

Filter reports by type.

Valid Values: FAILURE_MODE

serviceArn

Optional. If not provided, lists all reports owned by the account.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "reportGenerationResults": [
    {
      "assessmentId": "string",
      "createdAt": number,
      "reportOutput": { ... },
      "reportType": "string",
      "serviceArn": "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.

nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

reportGenerationResults

The list of report generation results.

Type: Array of [ReportGenerationResult](#) objects

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

Too many requests — rate limit exceeded.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 429

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListResources

List resources.

Request Syntax

```
GET /v2/list-resources?  
awsRegion=awsRegion&maxResults=maxResults&nextToken=nextToken&serviceArn=serviceArn&serviceFunc  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[awsRegion](#)

Filter resources by AWS Region.

Length Constraints: Minimum length of 6.

Pattern: `[a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]`

[maxResults](#)

Pagination page size.

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

[nextToken](#)

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

[serviceArn](#)

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

serviceFunctionId

Filter resources by service function identifier.

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

Pattern: `\S{1,255}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "serviceFunctionId": "string",
  "serviceResources": [
    {
      "inputSource": {
        "identifier": "string",
        "type": "string"
      },
      "resource": {
        "awsAccountId": "string",
        "awsRegion": "string",
        "identifier": "string",
        "resourceType": "string"
      },
      "resourceIdentifier": "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

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

serviceFunctionId

The service function identifier for the returned resources.

Type: String

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

Pattern: `\S{1,255}`

serviceResources

The list of service resources.

Type: Array of [ServiceResource](#) objects

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)

- [AWS SDK for Ruby V3](#)

ListServiceEvents

Lists events for a service.

Request Syntax

```
GET /v2/list-service-events?  
endTime=endTime&eventTypes=eventTypes&maxResults=maxResults&nextToken=nextToken&serviceArn=serv  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

endTime

The end time for filtering events.

eventTypes

Filter events by type.

Valid Values: SERVICE_CREATED | SERVICE_DELETED | SERVICE_SYSTEM_ASSOCIATED
| SERVICE_SYSTEM_DISASSOCIATED | SERVICE_RESOURCES_ASSOCIATED
| SERVICE_RESOURCES_DISASSOCIATED | SERVICE_WORKFLOW_UPDATED
| SERVICE_INPUT_SOURCES_UPDATED | SERVICE_POLICY_ASSOCIATED
| SERVICE_POLICY_DISASSOCIATED | SERVICE_FUNCTION_CREATED
| SERVICE_FUNCTION_UPDATED | SERVICE_FUNCTION_DELETED |
SERVICE_FUNCTION_RESOURCES_ADDED | SERVICE_FUNCTION_RESOURCES_REMOVED |
SERVICE_ACHIEVABILITY_UPDATED | ASSERTION_CREATED | ASSERTION_UPDATED |
ASSERTION_DELETED

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

serviceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

startTime

The start time for filtering events.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "events": [
    {
      "actor": {
        "accountId": "string",
        "principalId": "string",
        "type": "string",
        "userName": "string"
      },
      "eventDetails": {
        "description": "string",
        "eventMetadata": { ... },
        "title": "string"
      }
    }
  ]
}
```

```
    "eventId": "string",
    "eventType": "string",
    "serviceArn": "string",
    "timestamp": number
  }
],
"nextToken": "string"
}
```

Response Elements

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

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

events

The list of service events.

Type: Array of [ServiceEvent](#) objects

nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\backslash S\{1, 2000\}$

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListServiceFunctions

Lists service functions for a service.

Request Syntax

```
GET /v2/list-functions?maxResults=maxResults&nextToken=nextToken&serviceArn=serviceArn
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\S\{1,2000\}$

serviceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: $arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]\{1\}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]\{0,62\}:([a-z]\{2\}-((iso[a-z]\{0,1\}-)|(gov-))\{0,1\}[a-z]+-[0-9]):[0-9]\{12\}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]\{0,1023\}$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "serviceFunctions": [
    {
      "createdAt": number,
      "criticality": "string",
      "description": "string",
      "name": "string",
      "resourceCount": number,
      "serviceArn": "string",
      "serviceFunctionId": "string",
      "source": "string",
      "updatedAt": number
    }
  ]
}
```

Response Elements

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

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

nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\backslash S\{1, 2000\}$

serviceFunctions

The list of service functions.

Type: Array of [ServiceFunction](#) objects

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListServices

Lists services.

Request Syntax

```
GET /v2/list-services?  
accountId=accountId&assessmentStatus=assessmentStatus&maxResults=maxResults&nextToken=nextToken  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

accountId

Filter services by AWS account ID.

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

assessmentStatus

Filter services by assessment status.

Valid Values: NOT_STARTED | PENDING | IN_PROGRESS | FAILED | SUCCESS

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

ouId

Filter services by organizational unit (OU) identifier.

Length Constraints: Minimum length of 16. Maximum length of 68.

Pattern: `ou-[a-z0-9]{4,32}-[a-z0-9]{8,32}`

[policyArn](#)

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

[systemArn](#)

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

[userJourneyId](#)

Filter services by user journey identifier.

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

Pattern: `\S{1,255}`

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "serviceSummaries": [
```

```
{
  "accountId": "string",
  "achievability": {
    "availabilitySlo": "string",
    "multiAzRtoRpo": "string",
    "multiRegionRtoRpo": "string"
  },
  "assessmentStatus": "string",
  "associatedSystems": [
    {
      "systemArn": "string",
      "systemName": "string",
      "userJourneyIds": [ "string" ]
    }
  ],
  "createdAt": number,
  "dependencyDiscovery": {
    "status": "string",
    "updatedAt": number
  },
  "name": "string",
  "openFindingsCount": number,
  "organizationId": "string",
  "ouId": "string",
  "policyArn": "string",
  "regions": [ "string" ],
  "resolvedFindingsCount": number,
  "serviceArn": "string",
  "updatedAt": number
}
]
```

Response Elements

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

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

nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

[serviceSummaries](#)

The list of service summaries.

Type: Array of [ServiceSummary](#) objects

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListServiceTopologyEdges

Lists topology edges for a service.

Request Syntax

```
GET /v2/list-service-topology-edges?  
maxResults=maxResults&nextToken=nextToken&serviceArn=serviceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\S\{1,2000\}$

serviceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: $arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]\{1\}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]\{0,62\}:([a-z]\{2\}-((iso[a-z]\{0,1\}-)|(gov-))\{0,1\}[a-z]+-[0-9]):[0-9]\{12\}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]\{0,1023\}$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "serviceTopologyEdgeSummaries": [
    {
      "destinationResourceIdentifier": "string",
      "properties": [
        {
          "label": "string",
          "topologyType": "string"
        }
      ],
      "sourceResourceIdentifier": "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

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

serviceTopologyEdgeSummaries

The list of service topology edge summaries.

Type: Array of [ServiceTopologyEdgeSummary](#) objects

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListSystemEvents

Lists events for a system.

Request Syntax

```
GET /v2/list-system-events?  
endTime=endTime&eventTypes=eventTypes&maxResults=maxResults&nextToken=nextToken&startTime=start  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

endTime

The end time for filtering events.

eventTypes

Filter events by type.

Valid Values: SYSTEM_CREATED | SYSTEM_DELETED | SYSTEM_USER_JOURNEY_CREATED
| SYSTEM_USER_JOURNEY_UPDATED | SYSTEM_USER_JOURNEY_DELETED
| SYSTEM_SERVICE_ASSOCIATED | SYSTEM_SERVICE_DISASSOCIATED |
SYSTEM_POLICY_ASSOCIATED | SYSTEM_POLICY_DISASSOCIATED

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

startTime

The start time for filtering events.

systemArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "events": [
    {
      "actor": {
        "accountId": "string",
        "principalId": "string",
        "type": "string",
        "userName": "string"
      },
      "eventDetails": {
        "description": "string",
        "eventMetadata": { ... },
        "title": "string"
      },
      "eventId": "string",
      "eventType": "string",
      "systemArn": "string",
      "timestamp": number
    }
  ],
  "nextToken": "string"
}
```

```
}
```

Response Elements

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

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

events

The list of system events.

Type: Array of [SystemEvent](#) objects

nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListSystems

Lists systems.

Request Syntax

```
GET /v2/list-systems?maxResults=maxResults&nextToken=nextToken&ouId=ouId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

ouId

Filter systems by organizational unit (OU) identifier.

Length Constraints: Minimum length of 16. Maximum length of 68.

Pattern: `ou-[a-z0-9]{4,32}-[a-z0-9]{8,32}`

Request Body

The request does not have a request body.

Response Syntax

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

```
{
  "nextToken": "string",
  "systemSummaries": [
    {
      "createdAt": number,
      "name": "string",
      "organizationId": "string",
      "ouId": "string",
      "servicesCount": number,
      "systemArn": "string",
      "systemId": "string",
      "updatedAt": number,
      "userJourneysCount": number
    }
  ]
}
```

Response Elements

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

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

nextToken

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\backslash S\{1,2000\}$

systemSummaries

The list of system summaries.

Type: Array of [SystemSummary](#) objects

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListTagsForResource

Lists the tags for a resource.

Request Syntax

```
GET /v2/tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "tags": {
    "string" : "string"
  }
}
```

Response Elements

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

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

tags

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[^\x00-\x1f\x22]+`

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

Value Pattern: `[^\x00-\x1f\x22]*`

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

Too many requests — rate limit exceeded.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 429

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

ListUserJourneys

Lists user journeys for a system.

Request Syntax

```
GET /v2/list-user-journeys?  
maxResults=maxResults&nextToken=nextToken&systemArn=systemArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

Pagination page size.

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

nextToken

Pagination token.

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: $\S\{1,2000\}$

systemArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: $arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]\{1\}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]\{0,62\}:([a-z]\{2\}-((iso[a-z]\{0,1\}-)|(gov-))\{0,1\}[a-z]+-[0-9]):[0-9]\{12\}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]\{0,1023\}$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "userJourneySummaries": [
    {
      "createdAt": number,
      "name": "string",
      "updatedAt": number,
      "userJourneyId": "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

Pagination token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `\S{1,2000}`

userJourneySummaries

The list of user journey summaries.

Type: Array of [UserJourneySummary](#) objects

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

StartFailureModeAssessment

Start a failure mode assessment.

Request Syntax

```
POST /v2/start-failure-mode-assessment HTTP/1.1
Content-type: application/json
```

```
{
  "clientToken": "string",
  "serviceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

clientToken

Idempotency token.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [A-Za-z0-9_.--]{0,63}

Required: No

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

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

{
  "assessmentId": "string",
  "assessmentStatus": "string",
  "serviceArn": "string",
  "startedAt": number
}
```

Response Elements

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

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

assessmentId

The unique identifier of the started assessment.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

assessmentStatus

The status of the started assessment.

Type: String

Valid Values: NOT_STARTED | PENDING | IN_PROGRESS | FAILED | SUCCESS

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

startedAt

The timestamp when the assessment started.

Type: Timestamp

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

Too many requests — rate limit exceeded.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 429

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

TagResource

Adds tags to a resource.

Request Syntax

```
POST /v2/tags/resourceArn HTTP/1.1
Content-type: application/json
```

```
{
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-))){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Request Body

The request accepts the following data in JSON format.

tags

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[^\x00-\x1f\x22]+`

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

Value Pattern: `[^\x00-\x1f\x22]*`

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

Too many requests — rate limit exceeded.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 429

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

UntagResource

Removes tags from a resource.

Request Syntax

```
DELETE /v2/tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[resourceArn](#)

ARN identifier.

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

[tagKeys](#)

The tag keys to remove from the resource.

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

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

Pattern: `[^\x00-\x1f\x22]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ThrottlingException

Too many requests — rate limit exceeded.

retryAfterSeconds

The number of seconds to wait before retrying the request.

HTTP Status Code: 429

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

UpdateAssertion

Updates a resilience assertion.

Request Syntax

```
POST /v2/update-assertion HTTP/1.1
Content-type: application/json
```

```
{
  "assertionId": "string",
  "serviceArn": "string",
  "text": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

assertionId

The unique identifier of the assertion to update.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

text

The updated text content of the assertion.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Response Syntax

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

```
{
  "assertion": {
    "assertionId": "string",
    "createdAt": number,
    "serviceArn": "string",
    "source": "string",
    "text": "string",
    "updatedAt": number
  }
}
```

Response Elements

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

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

assertion

The updated assertion.

Type: [Assertion](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

UpdateDependency

Updates a dependency classification.

Request Syntax

```
POST /v2/update-dependency HTTP/1.1
Content-type: application/json
```

```
{
  "comment": "string",
  "criticality": "string",
  "dependencyId": "string",
  "serviceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

comment

A comment about the dependency.

Type: String

Required: No

criticality

The updated criticality level of the dependency.

Type: String

Valid Values: HARD | SOFT | UNKNOWN

Required: No

dependencyId

The identifier of the dependency to update.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

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

```
{
  "comment": "string",
  "criticality": "string",
  "dependencyId": "string",
  "dependencyName": "string",
  "location": "string",
  "provider": "string",
  "updatedAt": number
}
```

Response Elements

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

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

comment

The comment about the dependency.

Type: String

criticality

The criticality level of the dependency.

Type: String

Valid Values: HARD | SOFT | UNKNOWN

dependencyId

The identifier of the updated dependency.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

dependencyName

The name of the updated dependency.

Type: String

location

The location of the dependency.

Type: String

provider

The provider of the dependency.

Type: String

updatedAt

The timestamp when the dependency was updated.

Type: Timestamp

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

UpdateFailureModeFinding

Updates an existing finding.

Request Syntax

```
POST /v2/update-failure-mode-finding HTTP/1.1
Content-type: application/json
```

```
{
  "comment": "string",
  "findingId": "string",
  "serviceArn": "string",
  "status": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

comment

A comment about the finding update.

Type: String

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

Required: No

findingId

The identifier of the finding to update.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:(([a-z]{2}-((iso[a-z]{0,1}-)|(gov-))){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

status

The new status for the finding.

Type: String

Valid Values: OPEN | RESOLVED | IRRELEVANT

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json
```

```
{
  "finding": {
    "comment": "string",
    "description": "string",
    "failureCategory": "string",
    "findingId": "string",
    "infrastructureAndCodeRecommendations": [
      {
        "suggestedChanges": [ "string" ]
      }
    ]
  }
}
```

```
    ],
    "name": "string",
    "observabilityRecommendations": [
      {
        "suggestedChanges": [ "string" ]
      }
    ],
    "policyComponent": "string",
    "reasoning": "string",
    "serviceFunctions": [ "string" ],
    "severity": "string",
    "status": "string",
    "testingRecommendations": [
      {
        "suggestedChanges": [ "string" ]
      }
    ],
    "updatedAt": number
  }
}
```

Response Elements

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

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

finding

The updated finding.

Type: [Finding](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

UpdatePolicy

Updates an existing resilience policy.

Request Syntax

```
POST /v2/update-policy HTTP/1.1
```

```
Content-type: application/json
```

```
{
  "availabilitySlo": {
    "target": number
  },
  "dataRecovery": {
    "timeBetweenBackupsInMinutes": number
  },
  "description": "string",
  "multiAz": {
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "multiRegion": {
    "disasterRecoveryApproach": "string",
    "rpoInMinutes": number,
    "rtoInMinutes": number
  },
  "policyArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

availabilitySlo

The updated availability SLO for the policy.

Type: [AvailabilitySlo](#) object

Required: No

[dataRecovery](#)

The updated data recovery targets for the policy.

Type: [DataRecoveryTargets](#) object

Required: No

[description](#)

Resource description for services and policies.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 615.

Required: No

[multiAz](#)

The updated multi-AZ disaster recovery targets for the policy.

Type: [MultiAzTargets](#) object

Required: No

[multiRegion](#)

The updated multi-Region disaster recovery targets for the policy.

Type: [MultiRegionTargets](#) object

Required: No

[policyArn](#)

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

Response Syntax

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

{
  "policy": {
    "associatedServiceCount": number,
    "availabilitySlo": {
      "target": number
    },
    "createdAt": number,
    "dataRecovery": {
      "timeBetweenBackupsInMinutes": number
    },
    "description": "string",
    "kmsKeyId": "string",
    "multiAz": {
      "disasterRecoveryApproach": "string",
      "rpoInMinutes": number,
      "rtoInMinutes": number
    },
    "multiRegion": {
      "disasterRecoveryApproach": "string",
      "rpoInMinutes": number,
      "rtoInMinutes": number
    },
    "name": "string",
    "policyArn": "string",
    "tags": {
      "string" : "string"
    },
    "updatedAt": number
  }
}
```

Response Elements

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

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

policy

The updated policy.

Type: [Policy](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

UpdateService

Updates an existing service.

Request Syntax

```
POST /v2/update-service HTTP/1.1
Content-type: application/json

{
  "associatedSystems": [
    {
      "systemArn": "string",
      "systemName": "string",
      "userJourneyIds": [ "string" ]
    }
  ],
  "dependencyDiscovery": "string",
  "description": "string",
  "permissionModel": {
    "crossAccountRoles": [
      {
        "crossAccountRoleArn": "string",
        "externalId": "string"
      }
    ],
    "invokerRoleName": "string"
  },
  "policyArn": "string",
  "regions": [ "string" ],
  "reportConfiguration": {
    "reportOutputs": [
      { ... }
    ]
  },
  "serviceArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

associatedSystems

The updated systems to associate with the service.

Type: Array of [AssociatedSystem](#) objects

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

Required: No

dependencyDiscovery

Caller-settable values for dependency discovery. INITIALIZING is system-managed.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

description

Resource description for services and policies.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 615.

Required: No

permissionModel

The updated permission model for the service.

Type: [PermissionModel](#) object

Required: No

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

regions

The updated AWS Regions where the service operates.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 6.

Pattern: `[a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]`

Required: No

reportConfiguration

Configuration for automatic report generation on a Service.

Type: [ServiceReportConfiguration](#) object

Required: No

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "service": {
    "accountId": "string",
    "achievability": {
      "availabilitySlo": "string",
      "multiAzRtoRpo": "string",
      "multiRegionRtoRpo": "string"
    },
    "assessmentStatus": "string",
    "associatedSystems": [
      {
        "systemArn": "string",
        "systemName": "string",
        "userJourneyIds": [ "string" ]
      }
    ],
    "createdAt": number,
    "dependencyDiscovery": {
      "status": "string",
      "updatedAt": number
    },
    "description": "string",
    "effectivePolicyValues": {
      "availabilitySlo": {
        "policyName": "string",
        "source": "string",
        "value": number
      },
      "dataRecoveryTimeBetweenBackups": {
        "policyName": "string",
        "source": "string",
        "value": number
      },
      "multiAzDrApproach": {
        "policyName": "string",
        "source": "string",
        "value": "string"
      }
    },
  },
}
```

```
"multiAzRpo": {
  "policyName": "string",
  "source": "string",
  "value": number
},
"multiAzRto": {
  "policyName": "string",
  "source": "string",
  "value": number
},
"multiRegionDrApproach": {
  "policyName": "string",
  "source": "string",
  "value": "string"
},
"multiRegionRpo": {
  "policyName": "string",
  "source": "string",
  "value": number
},
"multiRegionRto": {
  "policyName": "string",
  "source": "string",
  "value": number
}
},
"estimatedAssessmentCost": {
  "amount": number,
  "currency": "string"
},
"kmsKeyId": "string",
"name": "string",
"openFindingsCount": number,
"organizationId": "string",
"ouId": "string",
"permissionModel": {
  "crossAccountRoles": [
    {
      "crossAccountRoleArn": "string",
      "externalId": "string"
    }
  ],
  "invokerRoleName": "string"
},
```

```
"policyArn": "string",
"regions": [ "string" ],
"reportConfiguration": {
  "reportOutputs": [
    { ... }
  ]
},
"rerunAssessment": boolean,
"resolvedFindingsCount": number,
"resourceDiscovery": {
  "errorCode": "string",
  "errorMessage": "string",
  "lastRunAt": number,
  "status": "string"
},
"serviceArn": "string",
"tags": {
  "string" : "string"
},
"updatedAt": number
}
```

Response Elements

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

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

service

The updated service.

Type: [Service](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ServiceQuotaExceededException

Service quota exceeded.

HTTP Status Code: 402

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

UpdateServiceFunction

Updates a service function.

Request Syntax

```
POST /v2/update-function HTTP/1.1
Content-type: application/json
```

```
{
  "criticality": "string",
  "description": "string",
  "name": "string",
  "serviceArn": "string",
  "serviceFunctionId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

criticality

The updated criticality level of the service function.

Type: String

Valid Values: PRIMARY | SUPPLEMENTAL

Required: No

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

name

Entity label (not part of ARN — spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9 _\-]{1,59}`

Required: No

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

serviceFunctionId

The identifier of the service function to update.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

Response Syntax

HTTP/1.1 200

```
Content-type: application/json

{
  "serviceFunction": {
    "createdAt": number,
    "criticality": "string",
    "description": "string",
    "name": "string",
    "resourceCount": number,
    "serviceArn": "string",
    "serviceFunctionId": "string",
    "source": "string",
    "updatedAt": number
  }
}
```

Response Elements

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

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

serviceFunction

The updated service function.

Type: [ServiceFunction](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

UpdateSystem

Updates an existing system.

Request Syntax

```
POST /v2/update-system HTTP/1.1
Content-type: application/json
```

```
{
  "description": "string",
  "sharingEnabled": boolean,
  "systemArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

sharingEnabled

Whether cross-account sharing is enabled for the system.

Type: Boolean

Required: No

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

Response Syntax

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

```
{
  "system": {
    "createdAt": number,
    "description": "string",
    "kmsKeyId": "string",
    "name": "string",
    "organizationId": "string",
    "ouId": "string",
    "sharingEnabled": boolean,
    "systemArn": "string",
    "systemId": "string",
    "tags": {
      "string" : "string"
    },
    "updatedAt": number
  }
}
```

Response Elements

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

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

system

The updated system.

Type: [System](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerError

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

UpdateUserJourney

Updates an existing user journey.

Request Syntax

```
POST /v2/update-user-journey HTTP/1.1
Content-type: application/json
```

```
{
  "description": "string",
  "name": "string",
  "policyArn": "string",
  "systemArn": "string",
  "userJourneyId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

name

Entity label (not part of ARN — spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9 _\-]{1,59}`

Required: No

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

userJourneyId

The identifier of the user journey to update.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

Response Syntax

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

{
  "userJourney": {
    "createdAt": number,
    "description": "string",
    "name": "string",
    "policyArn": "string",
    "updatedAt": number,
    "userJourneyId": "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.

userJourney

The updated user journey.

Type: [UserJourney](#) object

Errors

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

AccessDeniedException

Access denied — caller lacks required permissions.

HTTP Status Code: 403

ConflictException

Conflict — resource already exists.

HTTP Status Code: 409

InternalServerErrorException

Internal service error.

HTTP Status Code: 500

ResourceNotFoundException

Resource not found.

resourceId

The identifier of the resource that was not found.

resourceType

The type of the resource that was not found.

HTTP Status Code: 404

ValidationException

Validation error — invalid input parameters.

fieldList

The list of fields that failed validation.

reason

The reason for the validation failure.

HTTP Status Code: 400

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](#)
- [AWS SDK for Ruby V3](#)

Data Types

The AWS Resilience Hub V2 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:

- [Achievability](#)
- [Assertion](#)
- [AssertionCreatedMetadata](#)
- [AssertionDeletedMetadata](#)
- [AssertionUpdatedMetadata](#)
- [AssessmentCost](#)
- [AssessmentSummary](#)
- [AssociatedSystem](#)
- [AvailabilitySlo](#)
- [CrossAccountRole](#)
- [DataRecoveryTargets](#)
- [DependencyDiscoveryConfig](#)
- [DependencySummary](#)
- [DisasterRecoverySource](#)
- [EdgePropertySummary](#)
- [EffectivePolicyValues](#)
- [EksSource](#)
- [EventActor](#)
- [FailedReportOutput](#)
- [Finding](#)

- [FindingSummary](#)
- [InfrastructureAndCodeRecommendation](#)
- [InputSource](#)
- [InputSourceSummary](#)
- [MultiAzTargets](#)
- [MultiRegionTargets](#)
- [ObservabilityRecommendation](#)
- [PermissionModel](#)
- [Policy](#)
- [PolicySummary](#)
- [QueryDataPoint](#)
- [QueryRange](#)
- [ReportGenerationResult](#)
- [ReportOutput](#)
- [ReportOutputConfiguration](#)
- [Resource](#)
- [ResourceConfiguration](#)
- [ResourceDiscoveryStatus](#)
- [ResourceTag](#)
- [S3ReportOutput](#)
- [S3ReportOutputConfiguration](#)
- [Service](#)
- [ServiceAchievabilityUpdatedMetadata](#)
- [ServiceCreatedMetadata](#)
- [ServiceDeletedMetadata](#)
- [ServiceEvent](#)
- [ServiceEventDetails](#)
- [ServiceEventMetadata](#)
- [ServiceFunction](#)
- [ServiceFunctionCreatedMetadata](#)

- [ServiceFunctionDeletedMetadata](#)
- [ServiceFunctionResourcesAddedMetadata](#)
- [ServiceFunctionResourcesRemovedMetadata](#)
- [ServiceFunctionUpdatedMetadata](#)
- [ServiceInputSourcesUpdatedMetadata](#)
- [ServicePolicyAssociatedMetadata](#)
- [ServicePolicyDisassociatedMetadata](#)
- [ServiceReference](#)
- [ServiceReferenceChanges](#)
- [ServiceReportConfiguration](#)
- [ServiceResource](#)
- [ServiceResourcesAssociatedMetadata](#)
- [ServiceResourcesDisassociatedMetadata](#)
- [ServiceSummary](#)
- [ServiceSystemAssociatedMetadata](#)
- [ServiceSystemDisassociatedMetadata](#)
- [ServiceTopologyEdgeSummary](#)
- [ServiceWorkflowUpdatedMetadata](#)
- [SloSource](#)
- [StringChange](#)
- [System](#)
- [SystemCreatedMetadata](#)
- [SystemDeletedMetadata](#)
- [SystemEvent](#)
- [SystemEventDetails](#)
- [SystemEventMetadata](#)
- [SystemPolicyAssociatedMetadata](#)
- [SystemPolicyDisassociatedMetadata](#)
- [SystemServiceAssociatedMetadata](#)
- [SystemServiceDisassociatedMetadata](#)

- [SystemSummary](#)
- [SystemUserJourneyCreatedMetadata](#)
- [SystemUserJourneyDeletedMetadata](#)
- [SystemUserJourneyUpdatedMetadata](#)
- [TargetSource](#)
- [TestingRecommendation](#)
- [UserJourney](#)
- [UserJourneyChanges](#)
- [UserJourneySummary](#)
- [ValidationExceptionField](#)

Achievability

Describes the achievability status of a service's resilience targets based on the most recent assessment.

Contents

availabilitySlo

The achievability status of the availability SLO target for the service.

Type: String

Valid Values: ACHIEVABLE | NOT_ACHIEVABLE

Required: No

multiAzRtoRpo

The achievability status of the multi-AZ RTO and RPO targets for the service.

Type: String

Valid Values: ACHIEVABLE | NOT_ACHIEVABLE

Required: No

multiRegionRtoRpo

The achievability status of the multi-Region RTO and RPO targets for the service.

Type: String

Valid Values: ACHIEVABLE | NOT_ACHIEVABLE

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](#)

Assertion

Represents a resilience assertion for a service.

Contents

assertionId

The unique identifier of the assertion.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

source

The source of the assertion, indicating whether it was AI-generated or created by a user.

Type: String

Valid Values: AI_GENERATED | USER

Required: Yes

text

The text content of the assertion.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: Yes

createdAt

The timestamp when the assertion was created.

Type: Timestamp

Required: No

updatedAt

The timestamp when the assertion was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AssertionCreatedMetadata

Metadata for an assertion created event.

Contents

assertionId

The unique identifier of the created assertion.

Type: String

Required: No

assertionName

The name of the created assertion.

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](#)

AssertionDeletedMetadata

Metadata for an assertion deleted event.

Contents

assertionId

The unique identifier of the deleted assertion.

Type: String

Required: No

assertionName

The name of the deleted assertion.

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](#)

AssertionUpdatedMetadata

Metadata for an assertion updated event.

Contents

assertionId

The unique identifier of the updated assertion.

Type: String

Required: No

assertionName

The name of the updated assertion.

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](#)

AssessmentCost

Represents the cost of running a failure mode assessment.

Contents

amount

The cost amount for the assessment.

Type: Double

Required: No

currency

The currency of the assessment cost.

Type: String

Valid Values: USD

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](#)

AssessmentSummary

Contains summary information about a failure mode assessment.

Contents

assessmentId

The unique identifier of the assessment.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

achievability

The achievability results from the assessment.

Type: [Achievability](#) object

Required: No

assessmentCost

The cost of the assessment.

Type: [AssessmentCost](#) object

Required: No

assessmentStatus

The current status of the assessment.

Type: String

Valid Values: NOT_STARTED | PENDING | IN_PROGRESS | FAILED | SUCCESS

Required: No

assessmentStep

The current step of the assessment process.

Type: String

Valid Values: TOPOLOGY_ENHANCEMENT | SERVICE_FUNCTION_GENERATION | RESILIENCE_ASSESSMENT

Required: No

billableAssessmentUnitCount

The number of billable assessment units consumed by the assessment.

Type: Integer

Required: No

endedAt

The timestamp when the assessment ended.

Type: Timestamp

Required: No

errorCode

The error code if the assessment failed.

Type: String

Valid Values: INVALID_PERMISSIONS | CMK_ACCESS_DENIED | AGENT_ERROR | INTERNAL_ERROR | DESIGN_FILE_ACCESS_DENIED

Required: No

errorMessage

A message describing the error if the assessment failed.

Type: String

Required: No

startedAt

The timestamp when the assessment started.

Type: Timestamp

Required: No

totalFindings

The total number of findings generated by the assessment.

Type: Integer

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](#)

AssociatedSystem

Represents a system associated with a service.

Contents

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

systemName

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: No

userJourneyIds

The list of user journey identifiers that associate this system with the service.

Type: Array of strings

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

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

Pattern: `\S{1,255}`

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](#)

AvailabilitySlo

Defines the availability service level objective (SLO) for a resilience policy.

Contents

target

The target availability percentage, expressed as a value between 0 and 100.

Type: Double

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

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CrossAccountRole

Specifies a cross-account IAM role ARN and optional external ID.

Contents

crossAccountRoleArn

ARN of the IAM Role for the profile. Null if the permission profile is the 'Admin' profile.

Type: String

Length Constraints: Minimum length of 32.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):iam:[0-9]{12}:role/(([/][!~]+/){1,511})?[A-Za-z0-9_+=,.-]{1,64}`

Required: Yes

externalId

The external ID used for assuming the cross-account role.

Type: String

Length Constraints: Minimum length of 2. Maximum length of 1224.

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](#)

DataRecoveryTargets

Defines data recovery targets for a resilience policy.

Contents

timeBetweenBackupsInMinutes

The target time between backups, in minutes.

Type: Integer

Valid Range: Minimum value of 0.

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](#)

DependencyDiscoveryConfig

Configuration for dependency discovery on a service.

Contents

status

The current status of dependency discovery.

Type: String

Valid Values: ENABLED | INITIALIZING | DISABLED

Required: Yes

updatedAt

The timestamp when dependency discovery was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DependencySummary

Contains summary information about a discovered dependency.

Contents

criticality

The criticality level of the dependency.

Type: String

Valid Values: HARD | SOFT | UNKNOWN

Required: Yes

dependencyId

The unique identifier of the dependency.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

dependencyName

The name of the dependency.

Type: String

Required: Yes

dnsName

The DNS name associated with the dependency.

Type: String

Required: Yes

lastDetectedTime

The timestamp when the dependency was last detected.

Type: Timestamp

Required: Yes

location

The location of the dependency.

Type: String

Required: Yes

queryRange

The query range data for the dependency.

Type: [QueryRange](#) object

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

sourceRegions

The source Regions from which the dependency was detected.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 6.

Pattern: `[a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]`

Required: Yes

comment

A user-provided comment about the dependency.

Type: String

Required: No

provider

The provider of the dependency.

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](#)

DisasterRecoverySource

Contains the effective disaster recovery approach value for a service.

Contents

policyName

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: No

source

Indicates whether the value comes from the service's own account or a cross-account policy.

Type: String

Valid Values: SELF | CROSS_ACCOUNT

Required: No

value

The disaster recovery approach value.

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](#)

EdgePropertySummary

Contains property information for a service topology edge.

Contents

label

Human-readable relationship description. Only present for LLM-inferred edges.

Type: String

Required: No

topologyType

The topology type of the edge.

Type: String

Valid Values: CONTAINMENT | DATA_FLOW | OBSERVABILITY | PERMISSIONS

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](#)

EffectivePolicyValues

Contains the effective resilience policy values for a service.

Contents

availabilitySlo

The effective availability SLO value for the service.

Type: [SloSource](#) object

Required: No

dataRecoveryTimeBetweenBackups

The effective data recovery time between backups value for the service.

Type: [TargetSource](#) object

Required: No

multiAzDrApproach

The effective multi-AZ disaster recovery approach for the service.

Type: [DisasterRecoverySource](#) object

Required: No

multiAzRpo

The effective multi-AZ RPO value for the service, in minutes.

Type: [TargetSource](#) object

Required: No

multiAzRto

The effective multi-AZ RTO value for the service, in minutes.

Type: [TargetSource](#) object

Required: No

multiRegionDrApproach

The effective multi-Region disaster recovery approach for the service.

Type: [DisasterRecoverySource](#) object

Required: No

multiRegionRpo

The effective multi-Region RPO value for the service, in minutes.

Type: [TargetSource](#) object

Required: No

multiRegionRto

The effective multi-Region RTO value for the service, in minutes.

Type: [TargetSource](#) 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](#)

EksSource

Defines an Amazon EKS cluster and its namespaces as an input source for resource discovery.

Contents

clusterArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

namespaces

The list of Kubernetes namespaces within the EKS cluster.

Type: Array of strings

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

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[a-z0-9]([-a-z0-9]*[a-z0-9])?`

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

EventActor

Identifies the actor that triggered an event.

Contents

principalId

The principal ID of the actor.

Type: String

Required: Yes

type

The type of actor, either USER or SYSTEM.

Type: String

Valid Values: USER | SYSTEM

Required: Yes

accountId

The AWS account ID of the actor.

Type: String

Required: No

userName

The user name of the actor.

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](#)

FailedReportOutput

Details when report generation failed.

Contents

errorCode

The error code describing why the report generation failed.

Type: String

Valid Values: INSUFFICIENT_PERMISSIONS | CONFIGURATION_ERROR | INTERNAL_ERROR

Required: Yes

errorMessage

The error message describing why the report generation failed.

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](#)

Finding

Represents a resilience finding from a failure mode assessment.

Contents

comment

A user-provided comment about the finding.

Type: String

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

Required: No

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

failureCategory

The failure category of the finding.

Type: String

Valid Values: SHARED_FATE | EXCESSIVE_LOAD | EXCESSIVE_LATENCY | MISCONFIGURATION_AND_BUGS | SINGLE_POINT_OF_FAILURE

Required: No

findingId

The unique identifier of the finding.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}

Required: No

infrastructureAndCodeRecommendations

Infrastructure and code recommendations to address the finding.

Type: Array of [InfrastructureAndCodeRecommendation](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

name

The name of the finding.

Type: String

Required: No

observabilityRecommendations

Observability recommendations to address the finding.

Type: Array of [ObservabilityRecommendation](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

policyComponent

The policy component associated with the finding.

Type: String

Valid Values: AVAILABILITY_SLO | MULTI_AZ_DISASTER_RECOVERY |
MULTI_REGION_DISASTER_RECOVERY | DATA_RECOVERY

Required: No

reasoning

The reasoning behind the finding.

Type: String

Required: No

serviceFunctions

The service functions associated with the finding.

Type: Array of strings

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

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

Pattern: `\S{1,255}`

Required: No

severity

The severity of the finding.

Type: String

Valid Values: LOW | MEDIUM | HIGH

Required: No

status

The current status of the finding.

Type: String

Valid Values: OPEN | RESOLVED | IRRELEVANT

Required: No

testingRecommendations

Testing recommendations to address the finding.

Type: Array of [TestingRecommendation](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

updatedAt

The timestamp when the finding was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

FindingSummary

Contains summary information about a finding.

Contents

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

failureCategory

The failure category of the finding.

Type: String

Valid Values: SHARED_FATE | EXCESSIVE_LOAD | EXCESSIVE_LATENCY | MISCONFIGURATION_AND_BUGS | SINGLE_POINT_OF_FAILURE

Required: No

findingId

The unique identifier of the finding.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}

Required: No

name

The name of the finding.

Type: String

Required: No

policyComponent

The policy component associated with the finding.

Type: String

Valid Values: AVAILABILITY_SLO | MULTI_AZ_DISASTER_RECOVERY |
MULTI_REGION_DISASTER_RECOVERY | DATA_RECOVERY

Required: No

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

severity

The severity of the finding.

Type: String

Valid Values: LOW | MEDIUM | HIGH

Required: No

status

The current status of the finding.

Type: String

Valid Values: OPEN | RESOLVED | IRRELEVANT

Required: No

updatedAt

The timestamp when the finding was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

InfrastructureAndCodeRecommendation

An infrastructure and code recommendation to address a finding.

Contents

suggestedChanges

The list of suggested changes.

Type: Array of strings

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

Length Constraints: Minimum length of 0. Maximum length of 500.

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](#)

InputSource

Identifies an input source by its identifier and type.

Contents

identifier

The identifier of the input source.

Type: String

Required: Yes

type

The type of the input source.

Type: String

Valid Values: CFN_STACK | TAGS | EKS | TERRAFORM | DESIGN_FILE | MONITORING

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](#)

InputSourceSummary

Contains summary information about an input source for a service.

Contents

inputSourceId

The unique identifier of the input source.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

cfnStackArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

createdAt

The timestamp when the input source was created.

Type: Timestamp

Required: No

designFileS3Url

S3 URL — virtual hosted-style or s3:// URI.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `((https://([^\s]+)\.s3[^\s]*\.[^\s]+)|(s3://([^\s]+)))/\S{1,2000}`

Required: No

eks

The Amazon EKS configuration, if this input source uses EKS.

Type: [EksSource](#) object

Required: No

resourceTags

The resource tags used for discovery, if this input source uses tags.

Type: Array of [ResourceTag](#) objects

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

Required: No

tfStateFileUrl

S3 URL — virtual hosted-style or s3:// URI.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `((https://([^\s]+)\.s3[^\s]*\.[^\s]+)|(s3://([^\s]+)))/\S{1,2000}`

Required: No

type

The type of the input source.

Type: String

Valid Values: `CFN_STACK | TAGS | EKS | TERRAFORM | DESIGN_FILE | MONITORING`

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](#)

MultiAzTargets

Defines the multi-AZ disaster recovery targets for a resilience policy.

Contents

disasterRecoveryApproach

The disaster recovery approach for multi-AZ.

Type: String

Valid Values: ACTIVE_ACTIVE | HOT_STANDBY | WARM_STANDBY | PILOT_LIGHT | BACKUP_AND_RESTORE

Required: No

rpoInMinutes

The recovery point objective (RPO) target for multi-AZ, in minutes.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

rtoInMinutes

The recovery time objective (RTO) target for multi-AZ, in minutes.

Type: Integer

Valid Range: Minimum value of 0.

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](#)

MultiRegionTargets

Defines the multi-Region disaster recovery targets for a resilience policy.

Contents

disasterRecoveryApproach

The disaster recovery approach for multi-Region.

Type: String

Valid Values: ACTIVE_ACTIVE | HOT_STANDBY | WARM_STANDBY | PILOT_LIGHT | BACKUP_AND_RESTORE

Required: No

rpoinMinutes

The recovery point objective (RPO) target for multi-Region, in minutes.

Type: Integer

Valid Range: Minimum value of 0.

Required: No

rtoinMinutes

The recovery time objective (RTO) target for multi-Region, in minutes.

Type: Integer

Valid Range: Minimum value of 0.

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](#)

ObservabilityRecommendation

An observability recommendation to address a finding.

Contents

suggestedChanges

The list of suggested observability changes.

Type: Array of strings

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

Length Constraints: Minimum length of 0. Maximum length of 500.

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](#)

PermissionModel

Defines the permission model for a service.

Contents

invokerRoleName

IAM role name (supports up to 64 characters per IAM limits).

Type: String

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

Pattern: `[A-Za-z0-9_+=, .@\-]{1,64}`

Required: Yes

crossAccountRoles

The list of cross-account IAM role ARNs.

Type: Array of [CrossAccountRole](#) objects

Array Members: Minimum number of 0 items. Maximum number of 5 items.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Policy

Represents a resilience policy that defines availability and disaster recovery requirements.

Contents

name

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: Yes

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

associatedServiceCount

The number of services associated with this policy.

Type: Integer

Required: No

availabilitySlo

The availability SLO defined in the policy.

Type: [AvailabilitySlo](#) object

Required: No

createdAt

The timestamp when the policy was created.

Type: Timestamp

Required: No

dataRecovery

The data recovery targets defined in the policy.

Type: [DataRecoveryTargets](#) object

Required: No

description

Resource description for services and policies.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 615.

Required: No

kmsKeyId

KMS key identifier — accepts key ID, key ARN, alias name, or alias ARN.

Type: String

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

Required: No

multiAz

The multi-AZ disaster recovery targets defined in the policy.

Type: [MultiAzTargets](#) object

Required: No

multiRegion

The multi-Region disaster recovery targets defined in the policy.

Type: [MultiRegionTargets](#) object

Required: No

tags

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[^\x00-\x1f\x22]+`

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

Value Pattern: `[^\x00-\x1f\x22]*`

Required: No

updatedAt

The timestamp when the policy was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PolicySummary

Contains summary information about a resilience policy.

Contents

name

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: Yes

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: Yes

associatedServiceCount

The number of services associated with this policy.

Type: Integer

Required: No

availabilitySlo

The availability SLO defined in the policy.

Type: [AvailabilitySlo](#) object

Required: No

createdAt

The timestamp when the policy was created.

Type: Timestamp

Required: No

dataRecovery

The data recovery targets defined in the policy.

Type: [DataRecoveryTargets](#) object

Required: No

multiAz

The multi-AZ disaster recovery targets defined in the policy.

Type: [MultiAzTargets](#) object

Required: No

multiRegion

The multi-Region disaster recovery targets defined in the policy.

Type: [MultiRegionTargets](#) object

Required: No

updatedAt

The timestamp when the policy was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

QueryDataPoint

A data point in a dependency query range.

Contents

queryCount

The number of queries at this data point.

Type: Long

Required: Yes

timestamp

The timestamp of the data point.

Type: Timestamp

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

QueryRange

Defines a time range for dependency query data.

Contents

dataPoints

The data points within the query range.

Type: Array of [QueryDataPoint](#) objects

Array Members: Minimum number of 7 items. Maximum number of 24 items.

Required: Yes

endTime

The end time of the query range.

Type: Timestamp

Required: Yes

granularity

The granularity of the query range data points.

Type: String

Valid Values: HOURLY | DAILY

Required: Yes

startTime

The start time of the query range.

Type: Timestamp

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ReportGenerationResult

Result of a report generation attempt.

Contents

reportType

The type of the generated report.

Type: String

Valid Values: FAILURE_MODE

Required: Yes

status

The status of the report generation.

Type: String

Valid Values: PENDING | SUCCEEDED | FAILED

Required: Yes

assessmentId

Present for FAILURE_MODE reports.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: No

createdAt

The timestamp when the report was created.

Type: Timestamp

Required: No

reportOutput

Present when status is SUCCEEDED or FAILED.

Type: [ReportOutput](#) object

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

Required: No

serviceArn

The service this report was generated for.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

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](#)

ReportOutput

Union of possible report outputs.

Contents

Important

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

failedReportOutput

Details when report generation failed.

Type: [FailedReportOutput](#) object

Required: No

s3ReportOutput

The S3 location where the report was written.

Type: [S3ReportOutput](#) 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](#)

ReportOutputConfiguration

Configuration for a report output destination.

Contents

Important

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

s3

S3 configuration for report output.

Type: [S3ReportOutputConfiguration](#) 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](#)

Resource

Represents an AWS resource discovered by Resilience Hub.

Contents

identifier

The identifier of the resource.

Type: String

Required: Yes

awsAccountId

The AWS account ID that owns the resource.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: No

awsRegion

The AWS Region where the resource is located.

Type: String

Length Constraints: Minimum length of 6.

Pattern: `[a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]`

Required: No

resourceType

The type of the resource.

Type: String

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ResourceConfiguration

Resource configuration for an input source. Provide exactly one field.

Contents

Important

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

cfnStackArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

designFileS3Url

S3 URL — virtual hosted-style or s3:// URI.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `((https://([^\./]+)\.s3[^\./]*\.[^\./]+)|(s3://([^\./]+)))/\S{1,2000}`

Required: No

eks

The Amazon EKS configuration for resource discovery.

Type: [EksSource](#) object

Required: No

resourceTags

The resource tags for tag-based resource discovery.

Type: Array of [ResourceTag](#) objects

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

Required: No

tfStateFileUrl

S3 URL — virtual hosted-style or s3:// URI.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 2000.

Pattern: `((https://(?:[^\./]*\.s3[^\./]*\.[^\./]+)|(s3://(?:[^\./]+)))/\S{1,2000})`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ResourceDiscoveryStatus

Contains the status of resource discovery for a service.

Contents

errorCode

The error code if resource discovery failed.

Type: String

Valid Values: INVALID_PERMISSIONS | STACK_NOT_FOUND | CLUSTER_NOT_FOUND
| STATE_FILE_NOT_FOUND | ACCESS_DENIED | UNSUPPORTED_CLUSTER |
INTERNAL_ERROR

Required: No

errorMessage

A message describing the error if resource discovery failed.

Type: String

Required: No

lastRunAt

The timestamp of the last resource discovery run.

Type: Timestamp

Required: No

status

The current status of resource discovery.

Type: String

Valid Values: RUNNING | SUCCEEDED | FAILED | COMPLETED_WITH_FAILURES |
NOT_STARTED

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](#)

ResourceTag

A tag key-value pair used for resource discovery.

Contents

key

Tag key.

Type: String

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

Pattern: `[^\x00-\x1f\x22]+`

Required: Yes

values

The list of tag values.

Type: Array of strings

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

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

Pattern: `[^\x00-\x1f\x22]*`

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](#)

S3ReportOutput

S3 location where report was written.

Contents

s3ObjectKey

The S3 object key for the generated report.

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](#)

S3ReportOutputConfiguration

S3 configuration for report output.

Contents

bucketOwner

Account ID of the bucket owner for cross-account access verification.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d{12}`

Required: Yes

bucketPath

S3 bucket path where reports will be written (e.g., my-bucket/ngrh-reports/).

Type: String

Length Constraints: Minimum length of 3. Maximum length of 512.

Pattern: `(s3://)?[a-z0-9][a-z0-9.-]{1,61}[a-z0-9](/.*)?`

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Service

Represents a service in Resilience Hub. A service is the primary unit of resilience assessment.

Contents

name

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.+.-]{0,1023}`

Required: Yes

accountId

The AWS account ID that owns the service.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

achievability

The achievability status of the service's resilience targets.

Type: [Achievability](#) object

Required: No

assessmentStatus

The current assessment status of the service.

Type: String

Valid Values: NOT_STARTED | PENDING | IN_PROGRESS | FAILED | SUCCESS

Required: No

associatedSystems

The systems associated with the service.

Type: Array of [AssociatedSystem](#) objects

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

Required: No

createdAt

The timestamp when the service was created.

Type: Timestamp

Required: No

dependencyDiscovery

The dependency discovery configuration for the service.

Type: [DependencyDiscoveryConfig](#) object

Required: No

description

Resource description for services and policies.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 615.

Required: No

effectivePolicyValues

The effective policy values for the service.

Type: [EffectivePolicyValues](#) object

Required: No

estimatedAssessmentCost

The estimated cost of running an assessment on the service.

Type: [AssessmentCost](#) object

Required: No

kmsKeyId

KMS key identifier — accepts key ID, key ARN, alias name, or alias ARN.

Type: String

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

Required: No

openFindingsCount

The number of open findings for the service.

Type: Integer

Required: No

organizationId

The AWS Organizations identifier for the service.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: o-[a-z0-9]{10,32}

Required: No

ould

The organizational unit (OU) identifier for the service.

Type: String

Length Constraints: Minimum length of 16. Maximum length of 68.

Pattern: ou-[a-z0-9]{4,32}-[a-z0-9]{8,32}

Required: No

permissionModel

The permission model for the service.

Type: [PermissionModel](#) object

Required: No

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}

Required: No

regions

The AWS Regions where the service operates.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 6.

Pattern: `[a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]`

Required: No

reportConfiguration

Configuration for automatic report generation on a Service.

Type: [ServiceReportConfiguration](#) object

Required: No

rerunAssessment

Indicates whether the assessment should be rerun.

Type: Boolean

Required: No

resolvedFindingsCount

The number of resolved findings for the service.

Type: Integer

Required: No

resourceDiscovery

The resource discovery status for the service.

Type: [ResourceDiscoveryStatus](#) object

Required: No

tags

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: `[^\x00-\x1f\x22]+`

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

Value Pattern: `[^\x00-\x1f\x22]*`

Required: No

updatedAt

The timestamp when the service was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServiceAchievabilityUpdatedMetadata

Metadata for a service achievability updated event.

Contents

assessmentId

The assessment identifier that triggered the update.

Type: String

Required: No

availabilitySlo

The updated achievability status of the availability SLO.

Type: String

Required: No

multiAzRtoRpo

The updated achievability status of the multi-AZ RTO and RPO targets.

Type: String

Required: No

multiRegionRtoRpo

The updated achievability status of the multi-Region RTO and RPO targets.

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](#)

ServiceCreatedMetadata

Metadata for a service created event.

Contents

The members of this exception structure are context-dependent.

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServiceDeletedMetadata

Metadata for a service deleted event.

Contents

The members of this exception structure are context-dependent.

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServiceEvent

Represents an event in the service event log.

Contents

actor

The actor that triggered the event.

Type: [EventActor](#) object

Required: Yes

eventDetails

The details of the event.

Type: [ServiceEventDetails](#) object

Required: Yes

eventId

The unique identifier of the event.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

eventType

The type of the event.

Type: String

Valid Values: `SERVICE_CREATED | SERVICE_DELETED | SERVICE_SYSTEM_ASSOCIATED | SERVICE_SYSTEM_DISASSOCIATED | SERVICE_RESOURCES_ASSOCIATED | SERVICE_RESOURCES_DISASSOCIATED | SERVICE_WORKFLOW_UPDATED`

| SERVICE_INPUT_SOURCES_UPDATED | SERVICE_POLICY_ASSOCIATED
| SERVICE_POLICY_DISASSOCIATED | SERVICE_FUNCTION_CREATED
| SERVICE_FUNCTION_UPDATED | SERVICE_FUNCTION_DELETED |
SERVICE_FUNCTION_RESOURCES_ADDED | SERVICE_FUNCTION_RESOURCES_REMOVED |
SERVICE_ACHIEVABILITY_UPDATED | ASSERTION_CREATED | ASSERTION_UPDATED |
ASSERTION_DELETED

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

timestamp

The timestamp of the event.

Type: Timestamp

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServiceEventDetails

Contains the details of a service event.

Contents

description

The description of the event.

Type: String

Required: Yes

title

The title of the event.

Type: String

Required: Yes

eventMetadata

Type-specific metadata for each service event type.

Type: [ServiceEventMetadata](#) object

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

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](#)

ServiceEventMetadata

Type-specific metadata for each service event type.

Contents

Important

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

assertionCreated

Metadata for an assertion created event.

Type: [AssertionCreatedMetadata](#) object

Required: No

assertionDeleted

Metadata for an assertion deleted event.

Type: [AssertionDeletedMetadata](#) object

Required: No

assertionUpdated

Metadata for an assertion updated event.

Type: [AssertionUpdatedMetadata](#) object

Required: No

serviceAchievabilityUpdated

Metadata for a service achievability updated event.

Type: [ServiceAchievabilityUpdatedMetadata](#) object

Required: No

serviceCreated

Metadata for a service created event.

Type: [ServiceCreatedMetadata](#) object

Required: No

serviceDeleted

Metadata for a service deleted event.

Type: [ServiceDeletedMetadata](#) object

Required: No

serviceFunctionCreated

Metadata for a service function created event.

Type: [ServiceFunctionCreatedMetadata](#) object

Required: No

serviceFunctionDeleted

Metadata for a service function deleted event.

Type: [ServiceFunctionDeletedMetadata](#) object

Required: No

serviceFunctionResourcesAdded

Metadata for a service function resources added event.

Type: [ServiceFunctionResourcesAddedMetadata](#) object

Required: No

serviceFunctionResourcesRemoved

Metadata for a service function resources removed event.

Type: [ServiceFunctionResourcesRemovedMetadata](#) object

Required: No

serviceFunctionUpdated

Metadata for a service function updated event.

Type: [ServiceFunctionUpdatedMetadata](#) object

Required: No

serviceInputSourcesUpdated

Metadata for a service input sources updated event.

Type: [ServiceInputSourcesUpdatedMetadata](#) object

Required: No

servicePolicyAssociated

Metadata for a service policy associated event.

Type: [ServicePolicyAssociatedMetadata](#) object

Required: No

servicePolicyDisassociated

Metadata for a service policy disassociated event.

Type: [ServicePolicyDisassociatedMetadata](#) object

Required: No

serviceResourcesAssociated

Metadata for a service resources associated event.

Type: [ServiceResourcesAssociatedMetadata](#) object

Required: No

serviceResourcesDisassociated

Metadata for a service resources disassociated event.

Type: [ServiceResourcesDisassociatedMetadata](#) object

Required: No

serviceSystemAssociated

Metadata for a service system associated event.

Type: [ServiceSystemAssociatedMetadata](#) object

Required: No

serviceSystemDisassociated

Metadata for a service system disassociated event.

Type: [ServiceSystemDisassociatedMetadata](#) object

Required: No

serviceWorkflowUpdated

Metadata for a service workflow updated event.

Type: [ServiceWorkflowUpdatedMetadata](#) 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](#)

ServiceFunction

Represents a logical component of a service.

Contents

criticality

The criticality level of the service function.

Type: String

Valid Values: PRIMARY | SUPPLEMENTAL

Required: Yes

name

Entity label (not part of ARN — spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9 _\-]{1,59}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-))){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

serviceFunctionId

The unique identifier of the service function.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

createdAt

The timestamp when the service function was created.

Type: Timestamp

Required: No

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

resourceCount

The number of resources associated with the service function.

Type: Integer

Required: No

source

The source of the service function.

Type: String

Valid Values: AI_GENERATED | USER

Required: No

updatedAt

The timestamp when the service function was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServiceFunctionCreatedMetadata

Metadata for a service function created event.

Contents

serviceFunctionId

The identifier of the created service function.

Type: String

Required: No

serviceFunctionName

The name of the created service function.

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](#)

ServiceFunctionDeletedMetadata

Metadata for a service function deleted event.

Contents

serviceFunctionId

The identifier of the deleted service function.

Type: String

Required: No

serviceFunctionName

The name of the deleted service function.

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](#)

ServiceFunctionResourcesAddedMetadata

Metadata for a service function resources added event.

Contents

resourcesAdded

The list of resource ARNs that were added.

Type: Array of strings

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

serviceFunctionId

The identifier of the service function.

Type: String

Required: No

serviceFunctionName

The name of the service function.

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](#)

ServiceFunctionResourcesRemovedMetadata

Metadata for a service function resources removed event.

Contents

resourcesRemoved

The list of resource ARNs that were removed.

Type: Array of strings

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

serviceFunctionId

The identifier of the service function.

Type: String

Required: No

serviceFunctionName

The name of the service function.

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](#)

ServiceFunctionUpdatedMetadata

Metadata for a service function updated event.

Contents

resourcesAdded

The list of resource ARNs that were added.

Type: Array of strings

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

resourcesRemoved

The list of resource ARNs that were removed.

Type: Array of strings

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

serviceFunctionId

The identifier of the service function.

Type: String

Required: No

serviceFunctionName

The name of the service function.

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](#)

ServiceInputSourcesUpdatedMetadata

Metadata for a service input sources updated event.

Contents

The members of this exception structure are context-dependent.

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServicePolicyAssociatedMetadata

Metadata for a service policy associated event.

Contents

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

policyName

The name of the associated policy.

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](#)

ServicePolicyDisassociatedMetadata

Metadata for a service policy disassociated event.

Contents

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

policyName

The name of the disassociated policy.

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](#)

ServiceReference

A reference to a service by ID and name.

Contents

serviceId

The identifier of the referenced service.

Type: String

Required: No

serviceName

The name of the referenced service.

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](#)

ServiceReferenceChanges

Describes changes to service references.

Contents

added

The list of service references that were added.

Type: Array of [ServiceReference](#) objects

Required: No

removed

The list of service references that were removed.

Type: Array of [ServiceReference](#) objects

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](#)

ServiceReportConfiguration

Configuration for automatic report generation on a Service.

Contents

reportOutputs

Output destinations for generated reports.

Type: Array of [ReportOutputConfiguration](#) objects

Array Members: Fixed number of 1 item.

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](#)

ServiceResource

Represents a resource associated with a service.

Contents

resource

The resource details.

Type: [Resource](#) object

Required: Yes

resourceIdentifier

The identifier of the resource.

Type: String

Required: Yes

inputSource

The input source that discovered the resource.

Type: [InputSource](#) 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](#)

ServiceResourcesAssociatedMetadata

Metadata for a service resources associated event.

Contents

resourceCount

The number of resources associated.

Type: Integer

Required: No

resourceTypes

The types of resources associated.

Type: Array of strings

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](#)

ServiceResourcesDisassociatedMetadata

Metadata for a service resources disassociated event.

Contents

resourceCount

The number of resources disassociated.

Type: Integer

Required: No

resourceTypes

The types of resources disassociated.

Type: Array of strings

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](#)

ServiceSummary

Contains summary information about a service.

Contents

name

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: Yes

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.+.-]{0,1023}`

Required: Yes

accountId

Displayed only if caller has access.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `[0-9]{12}`

Required: No

achievability

The achievability status of the service's resilience targets.

Type: [Achievability](#) object

Required: No

assessmentStatus

The current assessment status of the service.

Type: String

Valid Values: NOT_STARTED | PENDING | IN_PROGRESS | FAILED | SUCCESS

Required: No

associatedSystems

The systems associated with the service.

Type: Array of [AssociatedSystem](#) objects

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

Required: No

createdAt

The timestamp when the service was created.

Type: Timestamp

Required: No

dependencyDiscovery

The dependency discovery configuration.

Type: [DependencyDiscoveryConfig](#) object

Required: No

openFindingsCount

The number of open findings.

Type: Integer

Required: No

organizationId

Displayed only if caller has access.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: o-[a-z0-9]{10,32}

Required: No

oid

Displayed only if caller has access.

Type: String

Length Constraints: Minimum length of 16. Maximum length of 68.

Pattern: ou-[a-z0-9]{4,32}-[a-z0-9]{8,32}

Required: No

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}

Required: No

regions

The AWS Regions where the service operates.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 5 items.

Length Constraints: Minimum length of 6.

Pattern: `[a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]`

Required: No

resolvedFindingsCount

The number of resolved findings.

Type: Integer

Required: No

updatedAt

The timestamp when the service was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServiceSystemAssociatedMetadata

Metadata for a service system associated event.

Contents

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

systemName

The name of the associated system.

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](#)

ServiceSystemDisassociatedMetadata

Metadata for a service system disassociated event.

Contents

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

systemId

The identifier of the disassociated system.

Type: String

Required: No

systemName

The name of the disassociated system.

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](#)

ServiceTopologyEdgeSummary

Contains summary information about a service topology edge.

Contents

destinationResourceIdentifier

The identifier of the destination resource.

Type: String

Required: Yes

sourceResourceIdentifier

The identifier of the source resource.

Type: String

Required: Yes

properties

The properties of the topology edge.

Type: Array of [EdgePropertySummary](#) objects

Array Members: Minimum number of 0 items. Maximum number of 3 items.

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServiceWorkflowUpdatedMetadata

Metadata for a service workflow updated event.

Contents

serviceFunctionId

The identifier of the service function.

Type: String

Required: No

serviceFunctionName

The name of the service function.

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](#)

SloSource

Contains the effective availability SLO value and its source.

Contents

policyName

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: No

source

Indicates whether the value comes from the service's own account or a cross-account policy.

Type: String

Valid Values: SELF | CROSS_ACCOUNT

Required: No

value

The availability SLO percentage value.

Type: Double

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

StringChange

Describes a change from one string value to another.

Contents

newValue

The new value.

Type: String

Required: No

oldValue

The old value.

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](#)

System

Represents a system in Resilience Hub. A system is a logical grouping of services.

Contents

name

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: Yes

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

systemId

System ID for cross-account use without exposing account structure.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

createdAt

The timestamp when the system was created.

Type: Timestamp

Required: No

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

kmsKeyId

KMS key identifier — accepts key ID, key ARN, alias name, or alias ARN.

Type: String

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

Required: No

organizationId

The AWS Organizations identifier for the system.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: o-[a-z0-9]{10,32}

Required: No

ouId

The organizational unit (OU) identifier for the system.

Type: String

Length Constraints: Minimum length of 16. Maximum length of 68.

Pattern: ou-[a-z0-9]{4,32}-[a-z0-9]{8,32}

Required: No

sharingEnabled

Indicates whether cross-account sharing is enabled.

Type: Boolean

Required: No

tags

Resource tags.

Type: String to string map

Map Entries: Maximum number of 50 items.

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

Key Pattern: [^\x00-\x1f\x22]+

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

Value Pattern: [^\x00-\x1f\x22]*

Required: No

updatedAt

The timestamp when the system was last updated.

Type: Timestamp

Required: No

See Also

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

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

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SystemCreatedMetadata

Metadata for a system created event.

Contents

The members of this exception structure are context-dependent.

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SystemDeletedMetadata

Metadata for a system deleted event.

Contents

The members of this exception structure are context-dependent.

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SystemEvent

Represents an event in the system event log.

Contents

actor

The actor that triggered the event.

Type: [EventActor](#) object

Required: Yes

eventDetails

The details of the event.

Type: [SystemEventDetails](#) object

Required: Yes

eventId

The unique identifier of the event.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-5][0-9a-f]{3}-[089ab][0-9a-f]{3}-[0-9a-f]{12}`

Required: Yes

eventType

The type of the event.

Type: String

Valid Values: SYSTEM_CREATED | SYSTEM_DELETED | SYSTEM_USER_JOURNEY_CREATED | SYSTEM_USER_JOURNEY_UPDATED | SYSTEM_USER_JOURNEY_DELETED | SYSTEM_SERVICE_ASSOCIATED | SYSTEM_SERVICE_DISASSOCIATED | SYSTEM_POLICY_ASSOCIATED | SYSTEM_POLICY_DISASSOCIATED

Required: Yes

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: Yes

timestamp

The timestamp of the event.

Type: Timestamp

Required: Yes

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SystemEventDetails

Contains the details of a system event.

Contents

description

The description of the event.

Type: String

Required: Yes

title

The title of the event.

Type: String

Required: Yes

eventMetadata

Type-specific metadata for each system event type.

Type: [SystemEventMetadata](#) object

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

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](#)

SystemEventMetadata

Type-specific metadata for each system event type.

Contents

Important

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

systemCreated

Metadata for a system created event.

Type: [SystemCreatedMetadata](#) object

Required: No

systemDeleted

Metadata for a system deleted event.

Type: [SystemDeletedMetadata](#) object

Required: No

systemPolicyAssociated

Metadata for a system policy associated event.

Type: [SystemPolicyAssociatedMetadata](#) object

Required: No

systemPolicyDisassociated

Metadata for a system policy disassociated event.

Type: [SystemPolicyDisassociatedMetadata](#) object

Required: No

systemServiceAssociated

Metadata for a system service associated event.

Type: [SystemServiceAssociatedMetadata](#) object

Required: No

systemServiceDisassociated

Metadata for a system service disassociated event.

Type: [SystemServiceDisassociatedMetadata](#) object

Required: No

systemUserJourneyCreated

Metadata for a system user journey created event.

Type: [SystemUserJourneyCreatedMetadata](#) object

Required: No

systemUserJourneyDeleted

Metadata for a system user journey deleted event.

Type: [SystemUserJourneyDeletedMetadata](#) object

Required: No

systemUserJourneyUpdated

Metadata for a system user journey updated event.

Type: [SystemUserJourneyUpdatedMetadata](#) 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](#)

SystemPolicyAssociatedMetadata

Metadata for a system policy associated event.

Contents

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: No

policyName

The name of the associated policy.

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](#)

SystemPolicyDisassociatedMetadata

Metadata for a system policy disassociated event.

Contents

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_.-]{0,1023}`

Required: No

policyName

The name of the disassociated policy.

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](#)

SystemServiceAssociatedMetadata

Metadata for a system service associated event.

Contents

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

serviceName

The name of the associated service.

Type: String

Required: No

userJourneys

The user journeys linking the service to the system.

Type: Array of strings

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](#)

SystemServiceDisassociatedMetadata

Metadata for a system service disassociated event.

Contents

comment

A comment about the disassociation.

Type: String

Required: No

serviceArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

serviceName

The name of the disassociated service.

Type: String

Required: No

userJourneysAffected

The user journeys affected by the disassociation.

Type: Array of strings

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](#)

SystemSummary

Contains summary information about a system.

Contents

name

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: Yes

systemId

System ID for cross-account use without exposing account structure.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

createdAt

The timestamp when the system was created.

Type: Timestamp

Required: No

organizationId

Displayed only if caller has access.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 34.

Pattern: o-[a-z0-9]{10,32}

Required: No

ould

Displayed only if caller has access.

Type: String

Length Constraints: Minimum length of 16. Maximum length of 68.

Pattern: ou-[a-z0-9]{4,32}-[a-z0-9]{8,32}

Required: No

servicesCount

The number of services in the system.

Type: Integer

Required: No

systemArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}

Required: No

updatedAt

The timestamp when the system was last updated.

Type: Timestamp

Required: No

userJourneysCount

The number of user journeys in the system.

Type: Integer

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](#)

SystemUserJourneyCreatedMetadata

Metadata for a system user journey created event.

Contents

associatedServices

The services associated with the created user journey.

Type: Array of [ServiceReference](#) objects

Required: No

userJourneyName

The name of the created user journey.

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](#)

SystemUserJourneyDeletedMetadata

Metadata for a system user journey deleted event.

Contents

associatedServicesAtDeletion

The services that were associated at the time of deletion.

Type: Array of [ServiceReference](#) objects

Required: No

userJourneyName

The name of the deleted user journey.

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](#)

SystemUserJourneyUpdatedMetadata

Metadata for a system user journey updated event.

Contents

changes

The changes made to the user journey.

Type: [UserJourneyChanges](#) object

Required: No

userJourneyName

The name of the updated user journey.

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](#)

TargetSource

Contains an effective RTO or RPO value and its source.

Contents

policyName

Resource name (used in ARN — no spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9_\-]{1,59}`

Required: No

source

Indicates whether the value comes from the service's own account or a cross-account policy.

Type: String

Valid Values: SELF | CROSS_ACCOUNT

Required: No

value

The RTO or RPO value in minutes.

Type: Integer

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](#)

TestingRecommendation

A testing recommendation to address a finding.

Contents

suggestedChanges

The list of suggested testing changes.

Type: Array of strings

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

Length Constraints: Minimum length of 0. Maximum length of 500.

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](#)

UserJourney

Represents a user journey that defines a critical path through a system.

Contents

name

Entity label (not part of ARN — spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9 _\-]{1,59}`

Required: Yes

userJourneyId

The unique identifier of the user journey.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

createdAt

The timestamp when the user journey was created.

Type: Timestamp

Required: No

description

Resource description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Required: No

policyArn

ARN identifier.

Type: String

Length Constraints: Minimum length of 31.

Pattern: `arn:(aws|aws-cn|aws-iso|aws-iso-[a-z]{1}|aws-us-gov):[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:([a-z]{2}-((iso[a-z]{0,1}-)|(gov-)){0,1}[a-z]+-[0-9]):[0-9]{12}:[A-Za-z0-9/][A-Za-z0-9:_/+.-]{0,1023}`

Required: No

updatedAt

The timestamp when the user journey was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

UserJourneyChanges

Describes changes made to a user journey.

Contents

associatedServices

Changes to the services associated with the user journey.

Type: [ServiceReferenceChanges](#) object

Required: No

journeyDescription

Changes to the user journey description.

Type: [StringChange](#) 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](#)

UserJourneySummary

Contains summary information about a user journey.

Contents

name

Entity label (not part of ARN — spaces allowed).

Type: String

Length Constraints: Minimum length of 2. Maximum length of 60.

Pattern: `[A-Za-z0-9][A-Za-z0-9 _\-]{1,59}`

Required: Yes

userJourneyId

The unique identifier of the user journey.

Type: String

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

Pattern: `\S{1,255}`

Required: Yes

createdAt

The timestamp when the user journey was created.

Type: Timestamp

Required: No

updatedAt

The timestamp when the user journey was last updated.

Type: Timestamp

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ValidationExceptionField

Describes a field that failed validation.

Contents

message

The validation error message for the field.

Type: String

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](#)

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