



Recovery Readiness API Reference Guide

Amazon Route 53 Application Recovery Controller



Amazon Route 53 Application Recovery Controller: Recovery Readiness API Reference Guide

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What is recovery readiness in Amazon Application Recovery Controller (ARC)?

Welcome to the Recovery Readiness API Reference Guide for Amazon Application Recovery Controller (ARC).

Recovery Readiness API actions support the readiness check feature of ARC. This API Reference Guide provides information about the API actions that you use to model your application with ARC. Next, you add readiness checks so that you can ensure that your application is always properly scaled and configured to handle failover traffic.

To set up recovery readiness in ARC, you model your application with structures that enable ARC to continually inspect your application resources and routing policies to make sure that your application's redundant failure-containment units, or replicas, are always ready for failover.

The first step is to create a *recovery group* that represents your application. Each recovery group includes *cells* for each individual failure-containment unit or *replica* of your application – for example, for each Regional or zonal version of the application. Then you create *resource sets* for each resource type and associate *readiness checks* with them. Finally, you associate the resources with the cells in your recovery group so that you can check the readiness status of your individual replicas.

With recovery groups and readiness checks, you can monitor the readiness status for each replica of your application—for example, in different AWS Regions—to determine how ready your application is to fail over from one replica to another. You can also monitor readiness details for resources at different levels and in different ways, such as checking the readiness of each type of resource. Or, you can view the readiness status of a resource in a specific cell (Availability Zone or Region).

By adding readiness checks, you can monitor the readiness status of your application and resources, for example, by using API calls. In addition, creating readiness checks enables ARC to take some corrective actions for you, to help make sure that your application and resources are ready for you to quickly reroute traffic to a failover application replica, if needed. After you create resource sets and set up readiness checks, ARC continually (once every minute) runs readiness checks on your resources. These checks inspect your resources to ensure that your provisioned capacities match, across all resource sets, and where possible, ARC takes corrective action. For more information, see the [Amazon Route 53 Application Recovery Controller Developer Guide](#).

After you create readiness checks, you can monitor and manage recovery readiness. You can also set up cross-account authorization in ARC to make it easier to set up and monitor distributed resources from one AWS account.

ARC is a global service that supports endpoints in multiple AWS Regions but you must specify the US West (Oregon) Region when you work with readiness and recovery control configuration resources, for example, to create readiness checks or routing controls.

For more information about ARC, see the following:

- For more information about creating resilient applications and preparing for recovery readiness with ARC, see the [Amazon Route 53 Application Recovery Controller Developer Guide](#).
- For more information setting up routing control in ARC to route around failures, see the [Recovery Control Configuration API Reference Guide for Amazon Route 53 Application Recovery Controller](#) and the [Routing Control API Reference Guide for Amazon Route 53 Application Recovery Controller](#).

Resources

The Amazon Route 53 Application Recovery Controller REST API includes the following resources.

Topics

- [DeleteCrossAccountAuthorization](#)
- [GetArchitectureRecommendations](#)
- [GetCell, UpdateCell, DeleteCell](#)
- [GetCellReadinessSummary](#)
- [GetReadinessCheck, UpdateReadinessCheck, DeleteReadinessCheck](#)
- [GetReadinessCheckResourceStatus](#)
- [GetReadinessCheckStatus](#)
- [GetRecoveryGroup, UpdateRecoveryGroup, DeleteRecoveryGroup](#)
- [GetRecoveryGroupReadinessSummary](#)
- [GetResourceSet, UpdateResourceSet, DeleteResourceSet](#)
- [ListCells, CreateCell](#)
- [ListCrossAccountAuthorizations, CreateCrossAccountAuthorization](#)
- [ListReadinessChecks, CreateReadinessCheck](#)
- [ListRecoveryGroups, CreateRecoveryGroup](#)
- [ListResourceSets, CreateResourceSet](#)
- [ListRules](#)
- [ListTagsForResource, TagResource, UntagResource](#)

DeleteCrossAccountAuthorization

URI

`/crossaccountauthorizations/crossAccountAuthorization`

HTTP methods

DELETE

Operation ID: DeleteCrossAccountAuthorization

Deletes cross account readiness authorization.

Path parameters

Name	Type	Required	Description
<i>crossAccountAuthorization</i>	String	True	The cross-account authorization.

Responses

Status code	Response model	Description
200	DeleteCrossAccountAuthorizationResult	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
429	None	429 response - Limit exceeded exception or too many requests exception.

Status code	Response model	Description
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enables CORS by returning correct headers.

Path parameters

Name	Type	Required	Description
<i>crossAccountAuthorization</i>	String	True	The cross-account authorization.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Response bodies

DeleteCrossAccountAuthorizationResult schema

```
{  
}
```

Properties

DeleteCrossAccountAuthorizationResult

A successful DeleteCrossAccountAuthorization request returns no response.

See also

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

DeleteCrossAccountAuthorization

- [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](#)

GetArchitectureRecommendations

URI

/recoverygroups/*recoveryGroupName*/architectureRecommendations

HTTP methods

GET

Operation ID: GetArchitectureRecommendations

Gets recommendations about architecture designs for improving resiliency for an application, based on a recovery group.

Path parameters

Name	Type	Required	Description
<i>recoveryGroup</i>	String	True	The name of a recovery group.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch of results you want to see.
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	GetArchitectureRecommendationsOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.

Status code	Response model	Description
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enables CORS by returning correct headers.

Path parameters

Name	Type	Required	Description
<i>recoveryGroup</i> <i>GroupName</i>	String	True	The name of a recovery group.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Response bodies

GetArchitectureRecommendationsOutput schema

```
{
  "lastAuditTimestamp": "string",
  "nextToken": "string",
  "recommendations": [
    {
      "recommendationText": "string"
    }
  ]
}
```

Properties

GetArchitectureRecommendationsOutput

Result from GetArchitectureRecommendations call.

lastAuditTimestamp

The time that a recovery group was last assessed for recommendations, in UTC ISO-8601 format.

Type: string

Required: True

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: False

recommendations

A list of the recommendations for the customer's application.

Type: Array of type [Recommendation](#)

Required: True

Recommendation

Recommendations that are provided to make an application more recovery resilient.

recommendationText

Text of the recommendations that are provided to make an application more recovery resilient.

Type: string

Required: True

See also

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

GetArchitectureRecommendations

- [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](#)

GetCell, UpdateCell, DeleteCell

URI

`/cells/cellName`

HTTP methods

GET

Operation ID: GetCell

Gets information about a cell including cell name, cell Amazon Resource Name (ARN), ARNs of nested cells for this cell, and a list of those cell ARNs with their associated recovery group ARNs.

Path parameters

Name	Type	Required	Description
<i>cellName</i>	String	True	The name of the cell.

Responses

Status code	Response model	Description
200	CellOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.

Status code	Response model	Description
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

PUT

Operation ID: UpdateCell

Updates a cell to replace the list of nested cells with a new list of nested cells.

Path parameters

Name	Type	Required	Description
<i>cellName</i>	String	True	The name of the cell.

Responses

Status code	Response model	Description
200	CellOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have

Status code	Response model	Description
		sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

DELETE

Operation ID: DeleteCell

Delete a cell. When successful, the response code is 204, with no response body.

Path parameters

Name	Type	Required	Description
<i>cellName</i>	String	True	The name of the cell.

Responses

Status code	Response model	Description
204	None	204 response - Successful deletion

Status code	Response model	Description
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enable CORS by returning correct headers.

Path parameters

Name	Type	Required	Description
<i>cellName</i>	String	True	The name of the cell.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Request bodies

PUT schema

```
{
  "cells": [
    "string"
  ]
}
```

Response bodies

CellOutput schema

```
{
  "cells": [
    "string"
  ],
  "parentReadinessScopes": [
    "string"
  ],
  "cellName": "string",
  "cellArn": "string",
  "tags": {
  }
}
```

Properties

CellOutput

Information about a cell.

cells

A list of cell ARNs.

Type: Array of type string

Required: True

parentReadinessScopes

The readiness scope for the cell, which can be a cell Amazon Resource Name (ARN) or a recovery group ARN. This is a list but currently can have only one element.

Type: Array of type string

Required: True

cellName

The name of the cell.

Type: string

Required: True

Pattern: `\A[a-zA-Z0-9_]+\z`

MaxLength: 64

cellArn

The Amazon Resource Name (ARN) for the cell.

Type: string

Required: True

MaxLength: 256

tags

Tags on the resources.

Type: [Tags](#)

Required: False

CellUpdateParameters

Parameters used to update a cell.

cells

A list of cell Amazon Resource Names (ARNs), which completely replaces the previous list.

Type: Array of type string

Required: True

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

See also

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

GetCell

- [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](#)

UpdateCell

- [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](#)

DeleteCell

- [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](#)

GetCellReadinessSummary

URI

/cellreadiness/*cellName*

HTTP methods

GET

Operation ID: GetCellReadinessSummary

Gets readiness for a cell. Aggregates the readiness of all the resources that are associated with the cell into a single value.

Path parameters

Name	Type	Required	Description
<i>cellName</i>	String	True	The name of the cell.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch of results you want to see.
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	GetCellReadinessSummaryOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed

Status code	Response model	Description
403	None	query string, an input parameter might be out of range, or you used parameter s together incorrectly. 403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enable CORS by returning correct headers.

Path parameters

Name	Type	Required	Description
<i>cellName</i>	String	True	The name of the cell.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Response bodies

GetCellReadinessSummaryOutput schema

```
{
  "nextToken": "string",
  "readiness": enum,
  "readinessChecks": [
    {
      "readinessCheckName": "string",
      "readiness": enum
    }
  ]
}
```

Properties

GetCellReadinessSummaryOutput

Result of a GetReadinessCellSummary operation

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: True

readiness

The readiness at a cell level.

Type: [Readiness](#)

Required: True

readinessChecks

Summaries for the readiness checks that make up the cell.

Type: Array of type [ReadinessCheckSummary](#)

Required: True

Readiness

The readiness status.

READY

NOT_READY

UNKNOWN

NOT_AUTHORIZED

ReadinessCheckSummary

Summary of all readiness check statuses in a recovery group, paginated in `GetRecoveryGroupReadinessSummary` and `GetCellReadinessSummary`.

readinessCheckName

The name of a readiness check.

Type: string

Required: False

readiness

The readiness status of this readiness check.

Type: [Readiness](#)

Required: False

See also

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

GetCellReadinessSummary

- [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](#)

GetReadinessCheck, UpdateReadinessCheck, DeleteReadinessCheck

URI

/readinesschecks/*readinessCheckName*

HTTP methods

GET

Operation ID: GetReadinessCheck

Gets details about a readiness check.

Path parameters

Name	Type	Required	Description
<i>readiness CheckName</i>	String	True	Name of a readiness check.

Responses

Status code	Response model	Description
200	ReadinessCheckOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

PUT

Operation ID: UpdateReadinessCheck

Updates a readiness check.

Path parameters

Name	Type	Required	Description
<i>readiness CheckName</i>	String	True	Name of a readiness check.

Responses

Status code	Response model	Description
200	ReadinessCheckOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.

Status code	Response model	Description
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

DELETE

Operation ID: DeleteReadinessCheck

Deletes a readiness check.

Path parameters

Name	Type	Required	Description
<i>readiness CheckName</i>	String	True	Name of a readiness check.

Responses

Status code	Response model	Description
204	None	204 response - Successful deletion
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.

Status code	Response model	Description
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enables CORS by returning correct headers.

Path parameters

Name	Type	Required	Description
<i>readiness CheckName</i>	String	True	Name of a readiness check.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Request bodies

PUT schema

```
{  
  "resourceSetName": "string"  
}
```

Response bodies

ReadinessCheckOutput schema

```
{  
  "resourceSet": "string",  
  "readinessCheckName": "string",  
  "readinessCheckArn": "string",  
  "tags": {  
  }  
}
```

Properties

ReadinessCheckOutput

A readiness check.

resourceSet

Name of the resource set to be checked.

Type: string

Required: True

Pattern: \A[a-zA-Z0-9_]+\z

MaxLength: 64

readinessCheckName

Name of a readiness check.

Type: string

Required: False

Pattern: \A[a-zA-Z0-9_]+\z

MaxLength: 64

readinessCheckArn

The Amazon Resource Name (ARN) associated with a readiness check.

Type: string

Required: True

MaxLength: 256

tags

Type: [Tags](#)

Required: False

ReadinessCheckUpdateParameters

Parameter used to create or update a readiness check.

resourceSetName

The name of the resource set to be checked.

Type: string

Required: True

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

See also

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

GetReadinessCheck

- [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](#)

UpdateReadinessCheck

- [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](#)

DeleteReadinessCheck

- [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](#)

GetReadinessCheckResourceStatus

URI

/readinesschecks/*readinessCheckName*/resource/*resourceIdentifier*/status

HTTP methods

GET

Operation ID: GetReadinessCheckResourceStatus

Gets individual readiness status for a readiness check. To see the overall readiness status for a recovery group, that considers the readiness status for all the readiness checks in the recovery group, use GetRecoveryGroupReadinessSummary.

Path parameters

Name	Type	Required	Description
<i>readinessCheckName</i>	String	True	Name of a readiness check.

Name	Type	Required	Description
<i>resourceIdentifier</i>	String	True	The resource identifier, which is the Amazon Resource Name (ARN) or the identifier generated for the resource by Application Recovery Controller (for example, for a DNS target resource).

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch of results you want to see.
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	GetReadinessCheckResourceStatusOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed

Status code	Response model	Description
403	None	query string, an input parameter might be out of range, or you used parameter s together incorrectly. 403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Path parameters

Name	Type	Required	Description
<i>readinessCheckName</i>	String	True	Name of a readiness check.
<i>resourceIdentifier</i>	String	True	The resource identifier, which is the Amazon Resource Name (ARN) or the

Name	Type	Required	Description
			identifier generated for the resource by Application Recovery Controller (for example, for a DNS target resource).

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Response bodies

GetReadinessCheckResourceStatusOutput schema

```
{
  "nextToken": "string",
  "readiness": enum,
  "rules": [
    {
      "readiness": enum,
      "messages": [
        {
          "messageText": "string"
        }
      ],
      "lastCheckedTimestamp": "string",
      "ruleId": "string"
    }
  ]
}
```

Properties

GetReadinessCheckResourceStatusOutput

Result of a GetReadinessCheckResourceStatus operation.

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: True

readiness

The readiness at a rule level.

Type: [Readiness](#)

Required: True

rules

Details of the rule's results.

Type: Array of type [RuleResult](#)

Required: True

Message

Information relating to readiness check status.

messageText

The text of a readiness check message.

Type: string

Required: False

Readiness

The readiness status.

READY
NOT_READY
UNKNOWN
NOT_AUTHORIZED

RuleResult

The result of a successful Rule request, with status for an individual rule.

readiness

The readiness at rule level.

Type: [Readiness](#)
Required: True

messages

Details about the resource's readiness.

Type: Array of type [Message](#)
Required: True

lastCheckedTimestamp

The time the resource was last checked for readiness, in ISO-8601 format, UTC.

Type: string
Required: True

ruleId

The identifier of the rule.

Type: string

Required: True

See also

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

GetReadinessCheckResourceStatus

- [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](#)

GetReadinessCheckStatus

URI

/readinesschecks/*readinessCheckName*/status

HTTP methods

GET

Operation ID: GetReadinessCheckStatus

Gets the readiness status for an individual readiness check. To see the overall readiness status for a recovery group, that considers the readiness status for all the readiness checks in a recovery group, use `GetRecoveryGroupReadinessSummary`.

Path parameters

Name	Type	Required	Description
<i>readiness CheckName</i>	String	True	Name of a readiness check.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch of results you want to see.
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	GetReadinessCheckStatusOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have

Status code	Response model	Description
		sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enables CORS by returning correct headers.

Path parameters

Name	Type	Required	Description
<i>readiness CheckName</i>	String	True	Name of a readiness check.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Response bodies

GetReadinessCheckStatusOutput schema

```
{
  "nextToken": "string",
  "readiness": enum,
  "messages": [
    {
      "messageText": "string"
    }
  ],
  "resources": [
    {
      "componentId": "string",
      "readiness": enum,
      "resourceArn": "string",
      "lastCheckedTimestamp": "string"
    }
  ]
}
```

Properties

GetReadinessCheckStatusOutput

Result of a GetReadinessCheckStatus operation.

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: True

readiness

The readiness at rule level.

Type: [Readiness](#)

Required: True

messages

Top level messages for readiness check status

Type: Array of type [Message](#)

Required: True

resources

Summary of the readiness of resources.

Type: Array of type [ResourceResult](#)

Required: True

Message

Information relating to readiness check status.

messageText

The text of a readiness check message.

Type: string

Required: False

Readiness

The readiness status.

READY

NOT_READY

UNKNOWN

NOT_AUTHORIZED

ResourceResult

The result of a successful Resource request, with status for an individual resource.

componentId

The component id of the resource.

Type: string

Required: False

readiness

The readiness of a resource.

Type: [Readiness](#)

Required: True

resourceArn

The Amazon Resource Name (ARN) of the resource.

Type: string

Required: False

lastCheckedTimestamp

The time (UTC) that the resource was last checked for readiness, in ISO-8601 format.

Type: string

Required: True

See also

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

GetReadinessCheckStatus

- [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](#)

GetRecoveryGroup, UpdateRecoveryGroup, DeleteRecoveryGroup

URI

/recoverygroups/*recoveryGroupName*

HTTP methods

GET

Operation ID: GetRecoveryGroup

Gets details about a recovery group, including a list of the cells that are included in it.

Path parameters

Name	Type	Required	Description
<i>recoveryGroupName</i>	String	True	The name of a recovery group.

Responses

Status code	Response model	Description
200	RecoveryGroupOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed

Status code	Response model	Description
403	None	query string, an input parameter might be out of range, or you used parameter s together incorrectly. 403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

PUT

Operation ID: UpdateRecoveryGroup

Updates a recovery group.

Path parameters

Name	Type	Required	Description
<i>recoveryGroup</i> <i>roupName</i>	String	True	The name of a recovery group.

Responses

Status code	Response model	Description
200	RecoveryGroupOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

DELETE

Operation ID: DeleteRecoveryGroup

Deletes a recovery group.

Path parameters

Name	Type	Required	Description
<i>recoveryGroup</i> <i>roupName</i>	String	True	The name of a recovery group.

Responses

Status code	Response model	Description
204	None	204 response - Successful deletion
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary

Status code	Response model	Description
		service error. Retry the request.

OPTIONS

Enable CORS by returning correct headers

Path parameters

Name	Type	Required	Description
<i>recoveryGroup</i> <i>GroupName</i>	String	True	The name of a recovery group.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Request bodies

PUT schema

```
{
  "cells": [
    "string"
  ]
}
```

Response bodies

RecoveryGroupOutput schema

```
{
```

```
"cells": [  
  "string"  
],  
"recoveryGroupName": "string",  
"recoveryGroupArn": "string",  
"tags": {  
}  
}
```

Properties

RecoveryGroupOutput

A representation of the application, typically containing multiple cells.

cells

A list of a cell's Amazon Resource Names (ARNs).

Type: Array of type string

Required: True

recoveryGroupName

The name of the recovery group.

Type: string

Required: True

Pattern: \A[a-zA-Z0-9_]+\z

MaxLength: 64

recoveryGroupArn

The Amazon Resource Name (ARN) for the recovery group.

Type: string

Required: True

MaxLength: 256

tags

The tags associated with the recovery group.

Type: [Tags](#)

Required: False

RecoveryGroupUpdateParameters

Parameters used to update a recovery group.

cells

A list of cell Amazon Resource Names (ARNs). This list completely replaces the previous list.

Type: Array of type string

Required: True

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

See also

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

GetRecoveryGroup

- [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](#)

UpdateRecoveryGroup

- [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](#)

DeleteRecoveryGroup

- [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](#)

GetRecoveryGroupReadinessSummary

URI

/recoverygroupreadiness/*recoveryGroupName*

HTTP methods

GET

Operation ID: GetRecoveryGroupReadinessSummary

Displays a summary of information about a recovery group's readiness status. Includes the readiness checks for resources in the recovery group and the readiness status of each one.

Path parameters

Name	Type	Required	Description
<i>recoveryGroup Name</i>	String	True	The name of a recovery group.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch of results you want to see.
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	GetRecoveryGroupReadinessSummaryOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enable CORS by returning correct headers

Path parameters

Name	Type	Required	Description
<i>recoveryGroup</i> <i>roupName</i>	String	True	The name of a recovery group.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Response bodies

GetRecoveryGroupReadinessSummaryOutput schema

```
{
  "nextToken": "string",
  "readiness": enum,
  "readinessChecks": [
    {
      "readinessCheckName": "string",
      "readiness": enum
    }
  ]
}
```

Properties

GetRecoveryGroupReadinessSummaryOutput

Result of a GetReadinessRecoveryGroupSummary operation.

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: True

readiness

The readiness status at a recovery group level.

Type: [Readiness](#)

Required: True

readinessChecks

Summaries of the readiness checks for the recovery group.

Type: Array of type [ReadinessCheckSummary](#)

Required: True

Readiness

The readiness status.

READY

NOT_READY

UNKNOWN

NOT_AUTHORIZED

ReadinessCheckSummary

Summary of all readiness check statuses in a recovery group, paginated in [GetRecoveryGroupReadinessSummary](#) and [GetCellReadinessSummary](#).

readinessCheckName

The name of a readiness check.

Type: string

Required: False

readiness

The readiness status of this readiness check.

Type: [Readiness](#)

Required: False

See also

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

GetRecoveryGroupReadinessSummary

- [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](#)

GetResourceSet, UpdateResourceSet, DeleteResourceSet

URI

/resourcesets/*resourceSetName*

HTTP methods

GET

Operation ID: GetResourceSet

Displays the details about a resource set, including a list of the resources in the set.

Path parameters

Name	Type	Required	Description
<i>resourceSetName</i>	String	True	Name of a resource set.

Responses

Status code	Response model	Description
200	ResourceSetOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary

Status code**Response model****Description**

service error. Retry the request.

PUT**Operation ID:** UpdateResourceSet

Updates a resource set.

Path parameters

Name	Type	Required	Description
<i>resourceSetName</i>	String	True	Name of a resource set.

Responses

Status code	Response model	Description
200	ResourceSetOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string

Status code	Response model	Description
429	None	contains a syntax error or resource not found. 429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

DELETE

Operation ID: DeleteResourceSet

Deletes a resource set.

Path parameters

Name	Type	Required	Description
<i>resourceSetName</i>	String	True	Name of a resource set.

Responses

Status code	Response model	Description
204	None	204 response - Successful deletion
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of

Status code	Response model	Description
403	None	range, or you used parameter s together incorrectly. 403 response - Access denied exception. You do not have sufficient access to perform this action.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enable CORS by returning correct headers

Path parameters

Name	Type	Required	Description
<i>resourceSetName</i>	String	True	Name of a resource set.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Request bodies

PUT schema

```
{
  "resourceSetType": "string",
  "resources": [
    {
      "readinessScopes": [
        "string"
      ],
      "componentId": "string",
      "resourceArn": "string",
      "dnsTargetResource": {
        "recordType": "string",
        "domainName": "string",
        "hostedZoneArn": "string",
        "targetResource": {
          "r53Resource": {
            "domainName": "string",
            "recordSetId": "string"
          },
          "nLBResource": {
            "arn": "string"
          }
        },
        "recordSetId": "string"
      }
    }
  ]
}
```

Response bodies

ResourceSetOutput schema

```
{
  "resourceSetType": "string",
  "resourceSetName": "string",
  "resources": [
    {
      "readinessScopes": [
        "string"
      ],
      "componentId": "string",
      "resourceArn": "string",
      "dnsTargetResource": {
        "recordType": "string",
        "domainName": "string",
        "hostedZoneArn": "string",
        "targetResource": {
          "r53Resource": {
            "domainName": "string",
            "recordSetId": "string"
          },
          "nlbResource": {
            "arn": "string"
          }
        }
      },
      "recordSetId": "string"
    }
  ],
  "resourceSetArn": "string",
  "tags": {
  }
}
```

Properties

DNSTargetResource

A component for DNS/routing control readiness checks and architecture checks.

recordType

The type of DNS record of the target resource.

Type: string

Required: False

domainName

The domain name that acts as an ingress point to a portion of the customer application.

Type: string

Required: False

hostedZoneArn

The hosted zone Amazon Resource Name (ARN) that contains the DNS record with the provided name of the target resource.

Type: string

Required: False

targetResource

The target resource of the DNS target resource.

Type: [TargetResource](#)

Required: False

recordSetId

The Route 53 record set ID that uniquely identifies a DNS record, given a name and a type.

Type: string

Required: False

NLBResource

The Network Load Balancer resource that a DNS target resource points to.

arn

The Network Load Balancer resource Amazon Resource Name (ARN).

Type: string

Required: False

R53ResourceRecord

The Route 53 resource that a DNS target resource record points to.

domainName

The DNS target domain name.

Type: string

Required: False

recordSetId

The Route 53 Resource Record Set ID.

Type: string

Required: False

Resource

The resource element of a resource set.

readinessScopes

The recovery group Amazon Resource Name (ARN) or the cell ARN that the readiness checks for this resource set are scoped to.

Type: Array of type string

Required: False

componentId

The component identifier of the resource, generated when DNS target resource is used.

Type: string

Required: False

resourceArn

The Amazon Resource Name (ARN) of the AWS resource.

Type: string

Required: False

dnsTargetResource

The DNS target resource.

Type: [DNSTargetResource](#)

Required: False

ResourceSetOutput

A collection of resources of the same type.

resourceSetType

The resource type of the resources in the resource set. One of the following values:

AWS::ApiGateway::Stage, AWS::ApiGatewayV2::Stage, AWS::AutoScaling::AutoScalingGroup,
AWS::CloudWatch::Alarm, AWS::EC2::CustomerGateway, AWS::DynamoDB::Table,
AWS::EC2::Volume, AWS::ElasticLoadBalancing::LoadBalancer,
AWS::ElasticLoadBalancingV2::LoadBalancer, AWS::Lambda::Function, AWS::MSK::Cluster,
AWS::RDS::DBCluster, AWS::Route53::HealthCheck, AWS::SQS::Queue, AWS::SNS::Topic,
AWS::SNS::Subscription, AWS::EC2::VPC, AWS::EC2::VPNConnection, AWS::EC2::VPNGateway,
AWS::Route53RecoveryReadiness::DNSTargetResource

Type: string

Required: True

Pattern: `AWS:::[A-Za-z0-9]+:::[A-Za-z0-9]+`

resourceSetName

The name of the resource set.

Type: string

Required: True

Pattern: \A[a-zA-Z0-9_]+\z

MaxLength: 64

resources

A list of resource objects.

Type: Array of type [Resource](#)

Required: True

resourceSetArn

The Amazon Resource Name (ARN) for the resource set.

Type: string

Required: True

MaxLength: 256

tags

Type: [Tags](#)

Required: False

ResourceSetUpdateParameters

Parameters used to create a resource set.

resourceSetType

The resource type of the resources in the resource set. One of the following values:

AWS::ApiGateway::Stage, AWS::ApiGatewayV2::Stage, AWS::AutoScaling::AutoScalingGroup, AWS::CloudWatch::Alarm, AWS::EC2::CustomerGateway, AWS::DynamoDB::Table,

AWS::EC2::Volume, AWS::ElasticLoadBalancing::LoadBalancer, AWS::ElasticLoadBalancingV2::LoadBalancer, AWS::Lambda::Function, AWS::MSK::Cluster, AWS::RDS::DBCluster, AWS::Route53::HealthCheck, AWS::SQS::Queue, AWS::SNS::Topic, AWS::SNS::Subscription, AWS::EC2::VPC, AWS::EC2::VPNConnection, AWS::EC2::VPNGateway, AWS::Route53RecoveryReadiness::DNSTargetResource

Type: string

Required: True

Pattern: AWS : : [A-Za-z0-9]+ : : [A-Za-z0-9]+

resources

A list of resource objects.

Type: Array of type [Resource](#)

Required: True

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

TargetResource

The target resource that the Route 53 record points to.

r53Resource

The Route 53 resource.

Type: [R53ResourceRecord](#)

Required: False

nLBResource

The Network Load Balancer resource.

Type: [NLBResource](#)

Required: False

See also

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

GetResourceSet

- [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](#)

UpdateResourceSet

- [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](#)

DeleteResourceSet

- [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](#)

ListCells, CreateCell

URI

/cells

HTTP methods

GET

Operation ID: ListCells

Lists the cells for an account.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch of results you want to see.

Name	Type	Required	Description
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	ListCellsResult	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

POST

Operation ID: CreateCell

Creates a cell in an account.

Responses

Status code	Response model	Description
200	CellOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
409	None	409 response - Conflict exception. You might be using a predefined variable.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enables CORS by returning correct headers.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Request bodies

POST schema

```
{
  "cells": [
    "string"
  ],
  "cellName": "string",
  "tags": {
  }
}
```

Response bodies

ListCellsResult schema

```
{
  "cells": [
    {
      "cells": [
        "string"
      ],
      "parentReadinessScopes": [
        "string"
      ],
      "cellName": "string",
      "cellArn": "string",
      "tags": {

```

```
    }
  }
],
"nextToken": "string"
}
```

CellOutput schema

```
{
  "cells": [
    "string"
  ],
  "parentReadinessScopes": [
    "string"
  ],
  "cellName": "string",
  "cellArn": "string",
  "tags": {
  }
}
```

Properties

CellCreateParameters

Parameters used to create a cell.

cells

A list of cell Amazon Resource Names (ARNs) contained within this cell, for use in nested cells. For example, Availability Zones within specific AWS Regions.

Type: Array of type string

Required: False

cellName

The name of the cell to create.

Type: string

Required: True

tags

Type: [Tags](#)

Required: False

CellOutput

Information about a cell.

cells

A list of cell ARNs.

Type: Array of type string

Required: True

parentReadinessScopes

The readiness scope for the cell, which can be a cell Amazon Resource Name (ARN) or a recovery group ARN. This is a list but currently can have only one element.

Type: Array of type string

Required: True

cellName

The name of the cell.

Type: string

Required: True

Pattern: `\A[a-zA-Z0-9_]+\z`

MaxLength: 64

cellArn

The Amazon Resource Name (ARN) for the cell.

Type: string

Required: True

MaxLength: 256

tags

Tags on the resources.

Type: [Tags](#)

Required: False

ListCellsResult

The result of a successful `ListCells` request.

cells

A list of cells.

Type: Array of type [CellOutput](#)

Required: False

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: False

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

See also

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

ListCells

- [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](#)

CreateCell

- [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](#)

ListCrossAccountAuthorizations, CreateCrossAccountAuthorization

URI

/crossaccountauthorizations

HTTP methods

GET

Operation ID: ListCrossAccountAuthorizations

Lists the cross-account readiness authorizations that are in place for an account.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch of results you want to see.
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	ListCrossAccountAuthorizationsResult	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have

Status code	Response model	Description
		sufficient access to perform this action.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

POST

Operation ID: CreateCrossAccountAuthorization

Creates a cross-account readiness authorization. This lets you authorize another account to work with Route 53 Application Recovery Controller, for example, to check the readiness status of resources in a separate account.

Responses

Status code	Response model	Description
200	CreateCrossAccountAuthorizationResult	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have

Status code	Response model	Description
		sufficient access to perform this action.
409	None	409 response - Conflict exception. You might be using a predefined variable.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enables CORS by returning correct headers.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Request bodies

POST schema

```
{  
  "crossAccountAuthorization": "string"  
}
```

Response bodies

ListCrossAccountAuthorizationsResult schema

```
{
  "nextToken": "string",
  "crossAccountAuthorizations": [
    "string"
  ]
}
```

CreateCrossAccountAuthorizationResult schema

```
{
  "crossAccountAuthorization": "string"
}
```

Properties

CreateCrossAccountAuthorizationParameters

Parameters used to create a cross-account authorization.

crossAccountAuthorization

The cross-account authorization.

Type: string

Required: True

CreateCrossAccountAuthorizationResult

The result of a successful CreateCrossAccountAuthorization request.

crossAccountAuthorization

The cross-account authorization.

Type: string

Required: False

ListCrossAccountAuthorizationsResult

The result of a successful ListCrossAccountAuthorizations request.

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: False

crossAccountAuthorizations

A list of cross-account authorizations.

Type: Array of type string

Required: True

See also

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

ListCrossAccountAuthorizations

- [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](#)

CreateCrossAccountAuthorization

- [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](#)

ListReadinessChecks, CreateReadinessCheck

URI

/readinesschecks

HTTP methods

GET

Operation ID: ListReadinessChecks

Lists the readiness checks for an account.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch of results you want to see.

Name	Type	Required	Description
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	ListReadinessCheck sResult	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

POST

Operation ID: CreateReadinessCheck

Creates a readiness check in an account. A readiness check monitors a resource set in your application, such as a set of Amazon Aurora instances, that Application Recovery Controller is auditing recovery readiness for. The audits run once every minute on every resource that's associated with a readiness check.

Responses

Status code	Response model	Description
200	ReadinessCheckOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
409	None	409 response - Conflict exception. You might be using a predefined variable.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enables CORS by returning correct headers.

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Request bodies

POST schema

```
{
  "readinessCheckName": "string",
  "resourceSetName": "string",
  "tags": {
  }
}
```

Response bodies

ListReadinessChecksResult schema

```
{
  "nextToken": "string",
  "readinessChecks": [
    {
      "resourceSet": "string",
      "readinessCheckName": "string",
      "readinessCheckArn": "string",
      "tags": {
      }
    }
  ]
}
```

ReadinessCheckOutput schema

```
{
  "resourceSet": "string",
  "readinessCheckName": "string",
  "readinessCheckArn": "string",
  "tags": {
  }
}
```

Properties

ListReadinessChecksResult

The result of a successful ListReadinessChecks request.

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: False

readinessChecks

A list of readiness checks associated with the account.

Type: Array of type [ReadinessCheckOutput](#)

Required: False

ReadinessCheckCreateParameters

Parameters used to create or update a readiness check.

readinessCheckName

The name of the readiness check to create.

Type: string

Required: True

resourceSetName

The name of the resource set to check.

Type: string

Required: True

tags

Type: [Tags](#)

Required: False

ReadinessCheckOutput

A readiness check.

resourceSet

Name of the resource set to be checked.

Type: string

Required: True

Pattern: `\A[a-zA-Z0-9_]+\z`

MaxLength: 64

readinessCheckName

Name of a readiness check.

Type: string

Required: False

Pattern: `\A[a-zA-Z0-9_]+\z`

MaxLength: 64

readinessCheckArn

The Amazon Resource Name (ARN) associated with a readiness check.

Type: string

Required: True

MaxLength: 256

tags

Type: [Tags](#)

Required: False

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

See also

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

ListReadinessChecks

- [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](#)

CreateReadinessCheck

- [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](#)

ListRecoveryGroups, CreateRecoveryGroup

URI

/recoverygroups

HTTP methods

GET

Operation ID: ListRecoveryGroups

Lists the recovery groups in an account.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch of results you want to see.

Name	Type	Required	Description
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	ListRecoveryGroupsResult	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

POST

Operation ID: CreateRecoveryGroup

Creates a recovery group in an account. A recovery group corresponds to an application and includes a list of the cells that make up the application.

Responses

Status code	Response model	Description
200	RecoveryGroupOutput	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
409	None	409 response - Conflict exception. You might be using a predefined variable.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enable CORS by returning correct headers

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Request bodies

POST schema

```
{
  "cells": [
    "string"
  ],
  "recoveryGroupName": "string",
  "tags": {
  }
}
```

Response bodies

ListRecoveryGroupsResult schema

```
{
  "nextToken": "string",
  "recoveryGroups": [
    {
      "cells": [
        "string"
      ],
      "recoveryGroupName": "string",
      "recoveryGroupArn": "string",
      "tags": {
      }
    }
  ]
}
```

```
]
}
```

RecoveryGroupOutput schema

```
{
  "cells": [
    "string"
  ],
  "recoveryGroupName": "string",
  "recoveryGroupArn": "string",
  "tags": {
  }
}
```

Properties

ListRecoveryGroupsResult

The result of a successful ListRecoveryGroups request.

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: False

recoveryGroups

A list of recovery groups.

Type: Array of type [RecoveryGroupOutput](#)

Required: False

RecoveryGroupCreateParameters

Parameters used to create a recovery group. A recovery group corresponds to your application and includes the cells that make up the application.

cells

A list of the cell Amazon Resource Names (ARNs) in the recovery group.

Type: Array of type string

Required: False

recoveryGroupName

The name of the recovery group to create.

Type: string

Required: True

tags

Type: [Tags](#)

Required: False

RecoveryGroupOutput

A representation of the application, typically containing multiple cells.

cells

A list of a cell's Amazon Resource Names (ARNs).

Type: Array of type string

Required: True

recoveryGroupName

The name of the recovery group.

Type: string

Required: True

Pattern: `\A[a-zA-Z0-9_]+\z`

MaxLength: 64

recoveryGroupArn

The Amazon Resource Name (ARN) for the recovery group.

Type: string

Required: True

MaxLength: 256

tags

The tags associated with the recovery group.

Type: [Tags](#)

Required: False

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

See also

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

ListRecoveryGroups

- [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](#)

CreateRecoveryGroup

- [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](#)

ListResourceSets, CreateResourceSet

URI

/resourcesets

HTTP methods

GET

Operation ID: ListResourceSets

Lists the resource sets in an account.

Query parameters

Name	Type	Required	Description
nextToken	String	False	The token that identifies which batch

Name	Type	Required	Description
maxResults	String	False	of results you want to see. The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	ListResourceSetsResult	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

POST

Operation ID: CreateResourceSet

Creates a resource set. A resource set is a set of resources of one type that span multiple cells. You can associate a resource set with a readiness check to monitor the resources for failover readiness.

Responses

Status code	Response model	Description
200	ResourceSetOutput	200 response
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
409	None	409 response - Conflict exception. You might be using a predefined variable.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enable CORS by returning correct headers

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Request bodies

POST schema

```
{
  "resourceSetType": "string",
  "resourceSetName": "string",
  "resources": [
    {
      "readinessScopes": [
        "string"
      ],
      "componentId": "string",
      "resourceArn": "string",
      "dnsTargetResource": {
        "recordType": "string",
        "domainName": "string",
        "hostedZoneArn": "string",
        "targetResource": {
          "r53Resource": {
            "domainName": "string",
            "recordSetId": "string"
          },
          "nLBResource": {
            "arn": "string"
          }
        }
      },
      "recordSetId": "string"
    }
  ]
}
```

```
],
  "tags": {
  }
}
```

Response bodies

ListResourceSetsResult schema

```
{
  "nextToken": "string",
  "resourceSets": [
    {
      "resourceSetType": "string",
      "resourceSetName": "string",
      "resources": [
        {
          "readinessScopes": [
            "string"
          ],
          "componentId": "string",
          "resourceArn": "string",
          "dnsTargetResource": {
            "recordType": "string",
            "domainName": "string",
            "hostedZoneArn": "string",
            "targetResource": {
              "r53Resource": {
                "domainName": "string",
                "recordSetId": "string"
              },
              "nLBResource": {
                "arn": "string"
              }
            }
          },
          "recordSetId": "string"
        }
      ],
      "resourceSetArn": "string",
      "tags": {
      }
    }
  ]
}
```

```
]
}
```

ResourceSetOutput schema

```
{
  "resourceSetType": "string",
  "resourceSetName": "string",
  "resources": [
    {
      "readinessScopes": [
        "string"
      ],
      "componentId": "string",
      "resourceArn": "string",
      "dnsTargetResource": {
        "recordType": "string",
        "domainName": "string",
        "hostedZoneArn": "string",
        "targetResource": {
          "r53Resource": {
            "domainName": "string",
            "recordSetId": "string"
          },
          "nLBResource": {
            "arn": "string"
          }
        },
        "recordSetId": "string"
      }
    }
  ],
  "resourceSetArn": "string",
  "tags": {
  }
}
```

Properties

DNSTargetResource

A component for DNS/routing control readiness checks and architecture checks.

recordType

The type of DNS record of the target resource.

Type: string

Required: False

domainName

The domain name that acts as an ingress point to a portion of the customer application.

Type: string

Required: False

hostedZoneArn

The hosted zone Amazon Resource Name (ARN) that contains the DNS record with the provided name of the target resource.

Type: string

Required: False

targetResource

The target resource of the DNS target resource.

Type: [TargetResource](#)

Required: False

recordSetId

The Route 53 record set ID that uniquely identifies a DNS record, given a name and a type.

Type: string

Required: False

ListResourceSetsResult

The result of a successful `ListResourceSets` request.

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: False

resourceSets

A list of resource sets associated with the account.

Type: Array of type [ResourceSetOutput](#)

Required: False

NLBResource

The Network Load Balancer resource that a DNS target resource points to.

arn

The Network Load Balancer resource Amazon Resource Name (ARN).

Type: string

Required: False

R53ResourceRecord

The Route 53 resource that a DNS target resource record points to.

domainName

The DNS target domain name.

Type: string

Required: False

recordSetId

The Route 53 Resource Record Set ID.

Type: string
Required: False

Resource

The resource element of a resource set.

readinessScopes

The recovery group Amazon Resource Name (ARN) or the cell ARN that the readiness checks for this resource set are scoped to.

Type: Array of type string
Required: False

componentId

The component identifier of the resource, generated when DNS target resource is used.

Type: string
Required: False

resourceArn

The Amazon Resource Name (ARN) of the AWS resource.

Type: string
Required: False

dnsTargetResource

The DNS target resource.

Type: [DNSTargetResource](#)
Required: False

ResourceSetCreateParameters

The parameters used to create a resource set.

resourceSetType

The resource type of the resources in the resource set. One of the following values:

AWS::ApiGateway::Stage, AWS::ApiGatewayV2::Stage, AWS::AutoScaling::AutoScalingGroup, AWS::CloudWatch::Alarm, AWS::EC2::CustomerGateway, AWS::DynamoDB::Table, AWS::EC2::Volume, AWS::ElasticLoadBalancing::LoadBalancer, AWS::ElasticLoadBalancingV2::LoadBalancer, AWS::Lambda::Function, AWS::MSK::Cluster, AWS::RDS::DBCluster, AWS::Route53::HealthCheck, AWS::SQS::Queue, AWS::SNS::Topic, AWS::SNS::Subscription, AWS::EC2::VPC, AWS::EC2::VPNConnection, AWS::EC2::VPNGateway, AWS::Route53RecoveryReadiness::DNSTargetResource

Type: string

Required: True

Pattern: AWS : : [A-Za-z0-9]+ : : [A-Za-z0-9]+

resourceSetName

The name of the resource set to create.

Type: string

Required: True

resources

A list of resource objects in the resource set.

Type: Array of type [Resource](#)

Required: True

tags

A tag to associate with the parameters for a resource set.

Type: [Tags](#)

Required: False

ResourceSetOutput

A collection of resources of the same type.

resourceSetType

The resource type of the resources in the resource set. One of the following values:

AWS::ApiGateway::Stage, AWS::ApiGatewayV2::Stage, AWS::AutoScaling::AutoScalingGroup, AWS::CloudWatch::Alarm, AWS::EC2::CustomerGateway, AWS::DynamoDB::Table, AWS::EC2::Volume, AWS::ElasticLoadBalancing::LoadBalancer, AWS::ElasticLoadBalancingV2::LoadBalancer, AWS::Lambda::Function, AWS::MSK::Cluster, AWS::RDS::DBCluster, AWS::Route53::HealthCheck, AWS::SQS::Queue, AWS::SNS::Topic, AWS::SNS::Subscription, AWS::EC2::VPC, AWS::EC2::VPNConnection, AWS::EC2::VPNGateway, AWS::Route53RecoveryReadiness::DNSTargetResource

Type: string

Required: True

Pattern: `AWS:::[A-Za-z0-9]+:::[A-Za-z0-9]+`

resourceSetName

The name of the resource set.

Type: string

Required: True

Pattern: `\A[a-zA-Z0-9_]+\z`

MaxLength: 64

resources

A list of resource objects.

Type: Array of type [Resource](#)

Required: True

resourceSetArn

The Amazon Resource Name (ARN) for the resource set.

Type: string
Required: True
MaxLength: 256

tags

Type: [Tags](#)
Required: False

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

TargetResource

The target resource that the Route 53 record points to.

r53Resource

The Route 53 resource.

Type: [R53ResourceRecord](#)
Required: False

nLBResource

The Network Load Balancer resource.

Type: [NLBResource](#)
Required: False

See also

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

ListResourceSets

- [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](#)

CreateResourceSet

- [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](#)

ListRules

URI

/rules

HTTP methods

GET

Operation ID: ListRules

Lists all readiness rules, or lists the readiness rules for a specific resource type.

Query parameters

Name	Type	Required	Description
resourceType	String	False	The resource type that a readiness rule applies to.
nextToken	String	False	The token that identifies which batch of results you want to see.
maxResults	String	False	The number of objects that you want to return with this call.

Responses

Status code	Response model	Description
200	ListRulesResult	200 response - Success.
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.

Status code	Response model	Description
403	None	403 response - Access denied exception. You do not have sufficient access to perform this action.
429	None	429 response - Limit exceeded exception or too many requests exception.
500	None	500 response - Internal service error or temporary service error. Retry the request.

OPTIONS

Enable CORS by returning correct headers

Responses

Status code	Response model	Description
200	None	200 response - Success.

Schemas

Response bodies

ListRulesResult schema

```
{
  "nextToken": "string",
  "rules": [
    {
      "ruleId": "string",
      "ruleDescription": "string",
```

```
    "resourceType": "string"  
  }  
]  
}
```

Properties

ListRulesOutput

Readiness rule information, including the resource type, rule ID, and rule description.

ruleId

The ID for the readiness rule.

Type: string

Required: True

MaxLength: 64

ruleDescription

The description of a readiness rule.

Type: string

Required: True

MaxLength: 256

resourceType

The resource type that the readiness rule applies to.

Type: string

Required: True

MaxLength: 64

ListRulesResult

The result of a successful `ListRules` request.

nextToken

The token that identifies which batch of results you want to see.

Type: string

Required: False

rules

A list of readiness rules for a specific resource type.

Type: Array of type [ListRulesOutput](#)

Required: False

See also

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

ListRules

- [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](#)

ListTagsForResources, TagResource, UntagResource

URI

/tags/*resource-arn*

HTTP methods

GET

Operation ID: ListTagsForResources

Lists the tags for a resource.

Path parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The Amazon Resource Name (ARN) for a resource.

Responses

Status code	Response model	Description
200	tagsModel	200 response - Success.
204	None	204 response - Successful deletion
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameters together incorrectly.

Status code	Response model	Description
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
500	None	500 response - Internal service error or temporary service error. Retry the request.

POST

Operation ID: TagResource

Adds a tag to a resource.

Path parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The Amazon Resource Name (ARN) for a resource.

Responses

Status code	Response model	Description
200	None	200 response - Success.
204	None	204 response - Successful deletion
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input

Status code	Response model	Description
404	None	parameter might be out of range, or you used parameter s together incorrectly. 404 response - Malformed query string. The query string contains a syntax error or resource not found.
500	None	500 response - Internal service error or temporary service error. Retry the request.

DELETE

Operation ID: UntagResource

Removes a tag from a resource.

Path parameters

Name	Type	Required	Description
<i>resource-arn</i>	String	True	The Amazon Resource Name (ARN) for a resource.

Query parameters

Name	Type	Required	Description
tagKeys	String	True	The keys for tags you add to resources.

Responses

Status code	Response model	Description
204	None	204 response - Successful deletion
400	None	400 response - Multiple causes. For example, you might have a malformed query string, an input parameter might be out of range, or you used parameter s together incorrectly.
404	None	404 response - Malformed query string. The query string contains a syntax error or resource not found.
500	None	500 response - Internal service error or temporary service error. Retry the request.

Schemas

Request bodies

POST schema

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

Response bodies

tagsModel schema

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

Properties

Tags

A collection of tags associated with a resource.

key-value pairs

Type: string

tagsModel

tags

Type: [Tags](#)

Required: True

See also

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

ListTagsForResource

- [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

- [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

- [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](#)

CLI Examples for the Recovery Readiness API

This section includes CLI examples for working with the APIs for Recovery Readiness with Amazon Application Recovery Controller (ARC).

ARC is a global service that supports endpoints in multiple AWS Regions but you must specify the US West (Oregon) Region when you work with readiness and recovery control configuration resources.

Topics

- [Create a cell](#)
- [Get a cell](#)
- [Update a cell](#)
- [Delete a cell](#)
- [List cells for an account](#)
- [Create a recovery group](#)
- [Get a recovery group](#)
- [Update a recovery group](#)
- [Delete a recovery group](#)
- [List recovery groups](#)
- [Create a resource set](#)
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- [Update a resource set](#)
- [Delete a resource set](#)
- [List resource sets](#)
- [Create a readiness check](#)
- [Get a readiness check](#)
- [Update a readiness check](#)
- [Delete a readiness check](#)
- [List readiness checks](#)
- [Check the status of an entire readiness check](#)

- [Check the readiness of a resource in a readiness check](#)
- [Check the readiness of a cell](#)
- [Check the readiness of a recovery group](#)

Create a cell

The following is an example of a request to create a cell, and the response.

```
aws route53-recovery-readiness --region us-west-2 create-cell \  
  --cell-name test-cell
```

```
{  
  "CellArn": "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell",  
  "CellName": "test-cell",  
  "Cells": [],  
  "ParentReadinessScopes": [],  
  "Tags": {}  
}
```

Get a cell

The following is an example of a request to get a cell, and the response.

```
aws route53-recovery-readiness --region us-west-2 getF-cell \  
  --cell-name test-cell
```

```
{  
  "CellArn": "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell",  
  "CellName": "test-cell",  
  "Cells": [],  
  "ParentReadinessScopes": [],  
  "Tags": {}  
}
```

Update a cell

The following is an example of a request to update a cell, and the response.

You update a cell by updating its own Cells field. Note that the Cells field takes full Amazon Resource Names (ARNs), not a cell name. In this example, "testcell-child" already existed.

```
aws route53-recovery-readiness --region us-west-2 update-cell \  
  --cell-name test-cell \  
  --cells arn:aws:route53-recovery-readiness::888888888888:cell/test-cell-child
```

```
{  
  "CellArn": "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell",  
  "CellName": "test-cell",  
  "Cells": [  
    "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell-child"  
  ],  
  "ParentReadinessScopes": [],  
  "Tags": {}  
}
```

Delete a cell

The following is an example of a request to delete a cell. Deleting a cell doesn't return a response.

```
aws route53-recovery-readiness --region us-west-2 delete-cell \  
  --cell-name test-cell
```

List cells for an account

The following is an example of a request to list the cells in an account, and the response.

```
aws route53-recovery-readiness --region us-west-2 list-cells
```

```
{  
  "Cells": [  
    {  
      "CellArn": "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell",  
      "CellName": "test-cell",  
      "Cells": [],  
      "ParentReadinessScopes": [],  
      "Tags": {}  
    }  
  ]  
}
```

```
]
}
```

Create a recovery group

The following is an example of a request to list the cells in an account, and the response.

```
aws route53-recovery-readiness --region us-west-2 create-recovery-group \
  --recovery-group-name test-recovery-group
```

```
{
  "Cells": [],
  "RecoveryGroupArn": "arn:aws:route53-recovery-readiness::888888888888:recovery-
group/test-recovery-group",
  "RecoveryGroupName": "test-recovery-group",
  "Tags": {}
}
```

Get a recovery group

The following is an example of a request to get a recovery group, and the response.

```
aws route53-recovery-readiness --region us-west-2 get-recovery-group \
  --recovery-group-name test-recovery-group
```

```
{
  "Cells": [],
  "RecoveryGroupArn": "arn:aws:route53-recovery-readiness::888888888888:recovery-
group/test-recovery-group",
  "RecoveryGroupName": "test-recovery-group",
  "Tags": {}
}
```

Update a recovery group

The following is an example of a request to update a recovery group to add two cells, and the response.

```
aws route53-recovery-readiness --region us-west-2 update-recovery-group \
```

```
--recovery-group-name test-recovery-group \  
--cells arn:aws:route53-recovery-readiness::888888888888:cell/test-cell  
arn:aws:route53-recovery-readiness::888888888888:cell/test-cell-2
```

```
{  
  "Cells": [  
    "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell",  
    "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell-2"  
  ],  
  "RecoveryGroupArn": "arn:aws:route53-recovery-readiness::888888888888:recovery-  
group/test-recovery-group",  
  "RecoveryGroupName": "test-recovery-group",  
  "Tags": {}  
}
```

Delete a recovery group

The following is an example of a request to delete a recovery group. Note that there is no response on success when you delete a recovery group.

```
aws route53-recovery-readiness --region us-west-2 delete-recovery-group \  
--recovery-group-name test-recovery-group
```

List recovery groups

The following is an example of a request to list the recovery groups in an account, and the response.

```
aws route53-recovery-readiness --region us-west-2 list-recovery-groups
```

```
{  
  "RecoveryGroups": [  
    {  
      "Cells": [  
        "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell",  
        "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell-2"  
      ],  
      "RecoveryGroupArn": "arn:aws:route53-recovery-  
readiness::888888888888:recovery-group/test-recovery-group",
```

```

        "RecoveryGroupName": "test-recovery-group",
        "Tags": {}
    }
]
}

```

Create a resource set

The following is an example of a request to create a resource set with two Amazon EBS volumes, and the response.

```

aws route53-recovery-readiness --region us-west-2 create-resource-set \
  --resource-set-name sample-resource-set \
  --resource-set-type AWS::EC2::Volume \
  --resources ResourceArn="arn:aws:ec2:us-west-2:888888888888:volume/
vol-014869e6063ed547b" \
  ResourceArn="arn:aws:ec2:ap-southeast-1:888888888888:volume/vol-0bc095e048255a901"

```

```

{
  "ResourceSetArn": "arn:aws:route53-recovery-readiness::888888888888:resource-set/
sample-resource-set",
  "ResourceSetName": "sample-resource-set",
  "Resources": [
    {
      "ReadinessScopes": [],
      "ResourceArn": "arn:aws:ec2:us-west-2:888888888888:volume/
vol-014869e6063ed547b"
    },
    {
      "ReadinessScopes": [],
      "ResourceArn": "arn:aws:ec2:ap-southeast-1:888888888888:volume/
vol-0bc095e048255a901"
    }
  ],
  "Tags": {}
}

```

Get a resource set

The following is an example of a request to get a resource set, and the response.

```
aws route53-recovery-readiness --region us-west-2 get-resource-set \
  --resource-set-name sample-resource-set
```

```
{
  "ResourceSetArn": "arn:aws:route53-recovery-readiness::888888888888:resource-set/sample-resource-set",
  "ResourceSetName": "sample-resource-set",
  "Resources": [
    {
      "ReadinessScopes": [],
      "ResourceArn": "arn:aws:ec2:us-west-2:888888888888:volume/vol-014869e6063ed547b"
    },
    {
      "ReadinessScopes": [],
      "ResourceArn": "arn:aws:ec2:ap-southeast-1:888888888888:volume/vol-0bc095e048255a901"
    }
  ],
  "Tags": {}
}
```

Update a resource set

The following is an example of a request to update a resource set, and the response.

This updates the resource set so that the resources each reference a cell. Note that the resources field is replaced in its entirety, so we specify the ResourceArns.

```
aws route53-recovery-readiness --region us-west-2 update-resource-set \
  --resource-set-name sample-resource-set \
  --resource-set-type AWS::EC2::Volume \
  --resources ResourceArn="arn:aws:ec2:us-west-2:888888888888:volume/vol-014869e6063ed547b",ReadinessScopes=[arn:aws:route53-recovery-readiness::888888888888:cell/test-cell] \
  ResourceArn="arn:aws:ec2:ap-southeast-1:888888888888:volume/vol-0bc095e048255a901",ReadinessScopes=[arn:aws:route53-recovery-readiness::888888888888:cell/test-cell-2]
```

```
{
```

```

    "ResourceSetArn": "arn:aws:route53-recovery-readiness::888888888888:resource-set/
sample-resource-set",
    "ResourceSetName": "sample-resource-set",
    "Resources": [
      {
        "ReadinessScopes": [
          "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell"
        ],
        "ResourceArn": "arn:aws:ec2:us-west-2:888888888888:volume/
vol-014869e6063ed547b"
      },
      {
        "ReadinessScopes": [
          "arn:aws:route53-recovery-readiness::888888888888:cell/test-cell-2"
        ],
        "ResourceArn": "arn:aws:ec2:ap-southeast-1:888888888888:volume/
vol-0bc095e048255a901"
      }
    ],
    "Tags": {}
  }

```

Delete a resource set

The following is an example of a request to delete a resource set. Note that there is no response on success when you delete a resource set.

```
aws route53-recovery-readiness --region us-west-2 delete-resource-set \
  --resource-set-name sample-resource-set
```

List resource sets

The following is an example of a request to list the resource sets in an account, and the response.

```
aws route53-recovery-readiness --region us-west-2 list-resource-sets
```

```

{
  "ResourceSets": [
    {
      "ResourceSetArn": "arn:aws:route53-recovery-
readiness::888888888888:resource-set/sample-resource-set",

```

```

    "ResourceSetName": "sample-resource-set",
    "Resources": [
      {
        "ReadinessScopes": [],
        "ResourceArn": "arn:aws:ec2:us-west-2:888888888888:volume/
vol-014869e6063ed547b"
      },
      {
        "ReadinessScopes": [],
        "ResourceArn": "arn:aws:ec2:ap-southeast-1:888888888888:volume/
vol-0bc095e048255a901"
      }
    ],
    "Tags": {}
  }
]
}

```

Create a readiness check

The following is an example of a request to create a readiness check for an Amazon EBS volume, and the response.

```

aws route53-recovery-readiness --region us-west-2 create-readiness-check \
  --readiness-check-name ebs-volume-readiness \
  --resource-set-name sample-resource-set

```

```

{
  "ReadinessCheckArn": "arn:aws:route53-recovery-readiness::888888888888:readiness-
check/ebs-volume-readiness",
  "ReadinessCheckName": "ebs-volume-readiness",
  "ResourceSet": "sample-resource-set",
  "Tags": {}
}

```

Get a readiness check

The following is an example of a request to get a readiness check, and the response.

```

aws route53-recovery-readiness --region us-west-2 get-readiness-check \

```

```
--readiness-check-name ebs-volume-readiness
```

```
{
  "ReadinessCheckArn": "arn:aws:route53-recovery-readiness::888888888888:readiness-check/ebs-volume-readiness",
  "ReadinessCheckName": "ebs-volume-readiness",
  "ResourceSet": "sample-resource-set",
  "Tags": {}
}
```

Update a readiness check

The following is an example of a request to update a readiness check, and the response.

```
aws route53-recovery-readiness --region us-west-2 update-readiness-check \
  --readiness-check-name ebs-volume-readiness \
  --resource-set-name some-other-resource-set
```

```
{
  "ReadinessCheckArn": "arn:aws:route53-recovery-readiness::888888888888:readiness-check/ebs-volume-readiness",
  "ReadinessCheckName": "ebs-volume-readiness",
  "ResourceSet": "some-other-resource-set",
  "Tags": {}
}
```

Delete a readiness check

The following is an example of a request to delete a readiness check. Note that there is no response on success when you delete a readiness check.

```
aws route53-recovery-readiness --region us-west-2 delete-readiness-check \
  --readiness-check-name ebs-volume-readiness
```

List readiness checks

The following is an example of a request to list the readiness checks in an account, and the response.

```
aws route53-recovery-readiness --region us-west-2 list-readiness-checks
```

```
{
  "ReadinessChecks": [
    {
      "ReadinessCheckArn": "arn:aws:route53-recovery-
readiness::888888888888:readiness-check/ebs-volume-readiness",
      "ReadinessCheckName": "ebs-volume-readiness",
      "ResourceSet": "sample-resource-set",
      "Tags": {}
    }
  ]
}
```

Check the status of an entire readiness check

The following is an example of a request to list the roll-up status for an entire readiness check, and the response.

```
aws route53-recovery-readiness --region us-west-2 get-readiness-check-status \
--readiness-check-name ebs-volume-readiness
```

```
{
  "Readiness": "READY",
  "Resources": [
    {
      "LastCheckedTimestamp": "2021-01-07T00:53:39Z",
      "Readiness": "READY",
      "ResourceArn": "arn:aws:ec2:us-west-2:888888888888:volume/
vol-014869e6063ed547b"
    },
    {
      "LastCheckedTimestamp": "2021-01-07T00:53:39Z",
      "Readiness": "READY",
      "ResourceArn": "arn:aws:ec2:ap-southeast-1:888888888888:volume/
vol-0bc095e048255a901"
    }
  ]
}
```

Check the readiness of a resource in a readiness check

The following is an example of a request to check the readiness of an individual resource in a readiness check, and the response.

This request checks the detailed status of an individual resource within a readiness check, to get rule-level visibility.

```
aws route53-recovery-readiness --region us-west-2 get-readiness-check-resource-status \
  --readiness-check-name ebs-volume-readiness \
  --resource-identifier arn:aws:ec2:ap-southeast-1:888888888888:volume/
vol-0bc095e048255a901
```

```
{
  "Readiness": "READY",
  "Rules": [
    {
      "LastCheckedTimestamp": "2021-01-07T00:55:41Z",
      "Messages": [],
      "Readiness": "READY",
      "RuleId": "EbsVolumeEncryptionDefault"
    },
    {
      "LastCheckedTimestamp": "2021-01-07T00:55:41Z",
      "Messages": [],
      "Readiness": "READY",
      "RuleId": "EbsVolumeEncryptionEnabled"
    },
    {
      "LastCheckedTimestamp": "2021-01-07T00:55:41Z",
      "Messages": [],
      "Readiness": "READY",
      "RuleId": "EbsVolumeIops"
    },
    {
      "LastCheckedTimestamp": "2021-01-07T00:55:41Z",
      "Messages": [],
      "Readiness": "READY",
      "RuleId": "EbsVolumeKmsKeyId"
    },
    {
```

```

    "LastCheckedTimestamp": "2021-01-07T00:55:41Z",
    "Messages": [],
    "Readiness": "READY",
    "RuleId": "EbsVolumeLimits"
  },
  {
    "LastCheckedTimestamp": "2021-01-07T00:55:41Z",
    "Messages": [],
    "Readiness": "READY",
    "RuleId": "EbsVolumeMultiAttachEnabled"
  },
  {
    "LastCheckedTimestamp": "2021-01-07T00:55:41Z",
    "Messages": [],
    "Readiness": "READY",
    "RuleId": "EbsVolumeSize"
  },
  {
    "LastCheckedTimestamp": "2021-01-07T00:55:41Z",
    "Messages": [],
    "Readiness": "READY",
    "RuleId": "EbsVolumeState"
  },
  {
    "LastCheckedTimestamp": "2021-01-07T00:55:41Z",
    "Messages": [],
    "Readiness": "READY",
    "RuleId": "EbsVolumeType"
  }
]
}

```

Check the readiness of a cell

The following is an example of a request to check cell readiness, and the response.

```
aws route53-recovery-readiness --region us-west-2 get-cell-readiness-summary \
  --cell-name test-cell
```

```
{
  "Readiness": "READY",
  "ReadinessChecks": [
```

```
{
  "Readiness": "READY",
  "ReadinessCheckName": "ebs-volume-readiness"
}
]
```

Check the readiness of a recovery group

The following is an example of a request to check a recovery group readiness, and the response.

For this example, we have configured a readiness check and resource set at the level of the recovery group (creation not shown), and now retrieve readiness of the recovery group itself.

```
aws route53-recovery-readiness --region us-west-2 get-recovery-group-readiness-summary \
  --recovery-group-name test-recovery-group
```

```
{
  "Readiness": "READY",
  "ReadinessChecks": [
    {
      "Readiness": "READY",
      "ReadinessCheckName": "ddb-table-readiness"
    }
  ]
}
```

Document history for the Recovery Readiness API Reference Guide for ARC

The following table describes the documentation for this release of the Recovery Readiness API Reference Guide for Amazon Route 53 Application Recovery Controller.

- **API version: latest**
- **Latest documentation update: July 27, 2021**

Change	Description	Date
--------	-------------	------

AWS Glossary

For the latest AWS terminology, see the [AWS glossary](#) in the *AWS Glossary Reference*.