



AWS Elastic Disaster Recovery Api Docs

# AWS Elastic Disaster Recovery



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# AWS Elastic Disaster Recovery: AWS Elastic Disaster Recovery Api Docs

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# Welcome

AWS Elastic Disaster Recovery Service.

This document was last published on July 21, 2025.

# Actions

The following actions are supported:

- [AssociateSourceNetworkStack](#)
- [CreateExtendedSourceServer](#)
- [CreateLaunchConfigurationTemplate](#)
- [CreateReplicationConfigurationTemplate](#)
- [CreateSourceNetwork](#)
- [DeleteJob](#)
- [DeleteLaunchAction](#)
- [DeleteLaunchConfigurationTemplate](#)
- [DeleteRecoveryInstance](#)
- [DeleteReplicationConfigurationTemplate](#)
- [DeleteSourceNetwork](#)
- [DeleteSourceServer](#)
- [DescribeJobLogItems](#)
- [DescribeJobs](#)
- [DescribeLaunchConfigurationTemplates](#)
- [DescribeRecoveryInstances](#)
- [DescribeRecoverySnapshots](#)
- [DescribeReplicationConfigurationTemplates](#)
- [DescribeSourceNetworks](#)
- [DescribeSourceServers](#)
- [DisconnectRecoveryInstance](#)
- [DisconnectSourceServer](#)
- [ExportSourceNetworkCfnTemplate](#)
- [GetFallbackReplicationConfiguration](#)
- [GetLaunchConfiguration](#)
- [GetReplicationConfiguration](#)
- [InitializeService](#)

- [ListExtensibleSourceServers](#)
- [ListLaunchActions](#)
- [ListStagingAccounts](#)
- [ListTagsForResource](#)
- [PutLaunchAction](#)
- [RetryDataReplication](#)
- [ReverseReplication](#)
- [StartFallbackLaunch](#)
- [StartRecovery](#)
- [StartReplication](#)
- [StartSourceNetworkRecovery](#)
- [StartSourceNetworkReplication](#)
- [StopFallback](#)
- [StopReplication](#)
- [StopSourceNetworkReplication](#)
- [TagResource](#)
- [TerminateRecoveryInstances](#)
- [UntagResource](#)
- [UpdateFallbackReplicationConfiguration](#)
- [UpdateLaunchConfiguration](#)
- [UpdateLaunchConfigurationTemplate](#)
- [UpdateReplicationConfiguration](#)
- [UpdateReplicationConfigurationTemplate](#)

# AssociateSourceNetworkStack

Associate a Source Network to an existing CloudFormation Stack and modify launch templates to use this network. Can be used for reverting to previously deployed CloudFormation stacks.

## Request Syntax

```
POST /AssociateSourceNetworkStack HTTP/1.1
Content-type: application/json

{
  "cfnStackNamesourceNetworkID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### cfnStackName

CloudFormation template to associate with a Source Network.

Type: String

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

Pattern: [a-zA-Z][-a-zA-Z0-9]\*

Required: Yes

### sourceNetworkID

The Source Network ID to associate with CloudFormation template.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

HTTP/1.1 202  
Content-type: application/json

```
{  
  "job": {  
    "arn": "string",  
    "creationDateTime": "string",  
    "endDateTime": "string",  
    "initiatedBy": "string",  
    "jobID": "string",  
    "participatingResources": [  
      {  
        "launchStatus": "string",  
        "participatingResourceID": { ... }  
      }  
    ],  
    "participatingServers": [  
      {  
        "launchActionsStatus": {  
          "runs": [  
            {  
              "action": {  
                "actionCode": "string",  
                "actionId": "string",  
                "actionVersion": "string",  
                "active": boolean,  
                "category": "string",  
                "description": "string",  
                "name": "string",  
                "optional": boolean,  
                "order": number,  
                "parameters": {  
                  "string" : {  
                    "type": "string",  
                    "value": "string"  
                  }  
                },  
              },  
            },  
          ],  
        }  
      }  
    ]  
  }  
}
```

```
        "type": "string"
    },
    "failureReason": "string",
    "runId": "string",
    "status": "string"
}
],
"ssmAgentDiscoveryDatetime": "string"
},
"launchStatus": "string",
"recoveryInstanceID": "string",
"sourceServerID": "string"
}
],
"status": "string",
"tags": {
    "string" : "string"
},
"type": "string"
}
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

### [job](#)

The Source Network association Job.

Type: [Job](#) object

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

# CreateExtendedSourceServer

Create an extended source server in the target Account based on the source server in staging account.

## Request Syntax

```
POST /CreateExtendedSourceServer HTTP/1.1
Content-type: application/json

{
  "sourceServerArn": "string",
  "tags": {
    "string" : "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceServerArn

This defines the ARN of the source server in staging Account based on which you want to create an extended source server.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:(?:[0-9a-zA-Z\_-]+:){3}([0-9]{12,}):source-server/(s-[0-9a-zA-Z]{17})

Required: Yes

### tags

A list of tags associated with the extended source server.

Type: String to string map

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

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

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
    "sourceServer": {
        "arn": "string",
        "dataReplicationInfo": {
            "dataReplicationError": {
                "error": "string",
                "rawError": "string"
            },
            "dataReplicationInitiation": {
                "nextAttemptDateTime": "string",
                "startDateTime": "string",
                "steps": [
                    {
                        "name": "string",
                        "status": "string"
                    }
                ]
            },
            "dataReplicationState": "string",
            "etaDateTime": "string",
            "lagDuration": "string",
            "replicatedDisks": [
                {
                    "backloggedStorageBytes": number,
                    "deviceName": "string",
                    "replicatedStorageBytes": number,
                    "rescannedStorageBytes": number,
                    "totalStorageBytes": number
                }
            ],
        }
    }
}
```

```
"stagingAvailabilityZone": "string"
},
"lastLaunchResult": "string",
"lifeCycle": {
    "addedToServiceDateTime": "string",
    "elapsedReplicationDuration": "string",
    "firstByteDateTime": "string",
    "lastLaunch": {
        "initiated": {
            "apiCallDateTime": "string",
            "jobID": "string",
            "type": "string"
        },
        "status": "string"
    },
    "lastSeenByServiceDateTime": "string"
},
"recoveryInstanceId": "string",
"replicationDirection": "string",
"reversedDirectionSourceServerArn": "string",
"sourceCloudProperties": {
    "originAccountID": "string",
    "originAvailabilityZone": "string",
    "originRegion": "string"
},
"sourceNetworkID": "string",
"sourceProperties": {
    "cpus": [
        {
            "cores": number,
            "modelName": "string"
        }
    ],
    "disks": [
        {
            "bytes": number,
            "deviceName": "string"
        }
    ],
    "identificationHints": {
        "awsInstanceID": "string",
        "fqdn": "string",
        "hostname": "string",
        "vmWareUuid": "string"
    }
}
```

```
        },
        "lastUpdatedDateTime": "string",
        "networkInterfaces": [
            {
                "ips": [ "string" ],
                "isPrimary": boolean,
                "macAddress": "string"
            }
        ],
        "os": {
            "fullString": "string"
        },
        "ramBytes": number,
        "recommendedInstanceType": "string",
        "supportsNitroInstances": boolean
    },
    "sourceServerID": "string",
    "stagingArea": {
        "errorMessage": "string",
        "stagingAccountID": "string",
        "stagingSourceServerArn": "string",
        "status": "string"
    },
    "tags": {
        "string" : "string"
    }
}
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### [sourceServer](#)

Created extended source server.

Type: [SourceServer](#) object

# Errors

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

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **InternalServerException**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

## **ServiceQuotaExceededException**

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

## **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

## **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# CreateLaunchConfigurationTemplate

Creates a new Launch Configuration Template.

## Request Syntax

```
POST /CreateLaunchConfigurationTemplate HTTP/1.1
Content-type: application/json

{
    "copyPrivateIp": boolean,
    "copyTags": boolean,
    "exportBucketArn": "string",
    "launchDisposition": "string",
    "launchIntoSourceInstance": boolean,
    "licensing": {
        "osByol": boolean
    },
    "postLaunchEnabled": boolean,
    "tags": {
        "string" : "string"
    },
    "targetInstanceTypeRightSizingMethod": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### copyPrivateIp

Copy private IP.

Type: Boolean

Required: No

## copyTags

Copy tags.

Type: Boolean

Required: No

## exportBucketArn

S3 bucket ARN to export Source Network templates.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn: . {16, 2044}`

Required: No

## launchDisposition

Launch disposition.

Type: String

Valid Values: STOPPED | STARTED

Required: No

## launchIntoSourceInstance

DRS will set the 'launch into instance ID' of any source server when performing a drill, recovery or failback to the previous region or availability zone, using the instance ID of the source instance.

Type: Boolean

Required: No

## licensing

Licensing.

Type: [Licensing](#) object

Required: No

### postLaunchEnabled

Whether we want to activate post-launch actions.

Type: Boolean

Required: No

### tags

Request to associate tags during creation of a Launch Configuration Template.

Type: String to string map

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

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

Required: No

### targetInstanceTypeRightSizingMethod

Target instance type right-sizing method.

Type: String

Valid Values: NONE | BASIC | IN\_AWS

Required: No

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "launchConfigurationTemplate": {
    "arn": "string",
    "copyPrivateIp": boolean,
    "copyTags": boolean,
    "exportBucketArn": "string",
    "launchConfigurationTemplateID": "string",
    "launchDisposition": "string",
```

```
"launchIntoSourceInstance": boolean,  
"licensing": {  
    "osByolboolean  
},  
"postLaunchEnabled": boolean,  
"tags": {  
    "string": "string"  
},  
"targetInstanceTypeRightSizingMethod": "string"  
}  
}  
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### [LaunchConfigurationTemplate](#)

Created Launch Configuration Template.

Type: [LaunchConfigurationTemplate](#) object

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerError**

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

HTTP Status Code: 500

### **ServiceQuotaExceededException**

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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

# CreateReplicationConfigurationTemplate

Creates a new ReplicationConfigurationTemplate.

## Request Syntax

```
POST /CreateReplicationConfigurationTemplate HTTP/1.1
Content-type: application/json

{
    "associateDefaultSecurityGroup": boolean,
    "autoReplicateNewDisks": boolean,
    "bandwidthThrottling": number,
    "createPublicIP": boolean,
    "dataPlaneRouting": "string",
    "defaultLargeStagingDiskType": "string",
    "ebsEncryption": "string",
    "ebsEncryptionKeyArn": "string",
    "pitPolicy": [
        {
            "enabled": boolean,
            "interval": number,
            "retentionDuration": number,
            "ruleID": number,
            "units": "string"
        }
    ],
    "replicationServerInstanceType": "string",
    "replicationServersSecurityGroupsIDs": [ "string" ],
    "stagingAreaSubnetId": "string",
    "stagingAreaTags": {
        "string" : "string"
    },
    "tags": {
        "string" : "string"
    },
    "useDedicatedReplicationServer": boolean
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### associateDefaultSecurityGroup

Whether to associate the default Elastic Disaster Recovery Security group with the Replication Configuration Template.

Type: Boolean

Required: Yes

### autoReplicateNewDisks

Whether to allow the AWS replication agent to automatically replicate newly added disks.

Type: Boolean

Required: No

### bandwidthThrottling

Configure bandwidth throttling for the outbound data transfer rate of the Source Server in Mbps.

Type: Long

Valid Range: Minimum value of 0.

Required: Yes

### createPublicIP

Whether to create a Public IP for the Recovery Instance by default.

Type: Boolean

Required: Yes

### dataPlaneRouting

The data plane routing mechanism that will be used for replication.

Type: String

Valid Values: PRIVATE\_IP | PUBLIC\_IP

Required: Yes

### [defaultLargeStagingDiskType](#)

The Staging Disk EBS volume type to be used during replication.

Type: String

Valid Values: GP2 | GP3 | ST1 | AUTO

Required: Yes

### [ebsEncryption](#)

The type of EBS encryption to be used during replication.

Type: String

Valid Values: DEFAULT | CUSTOM | NONE

Required: Yes

### [ebsEncryptionKeyArn](#)

The ARN of the EBS encryption key to be used during replication.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn: . {16,2044}

Required: No

### [pitPolicy](#)

The Point in time (PIT) policy to manage snapshots taken during replication.

Type: Array of [PITPolicyRule](#) objects

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

Required: Yes

## replicationServerInstanceType

The instance type to be used for the replication server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: Yes

## replicationServersSecurityGroupsIDs

The security group IDs that will be used by the replication server.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: sg-[0-9a-fA-F]{8,}

Required: Yes

## stagingAreaSubnetId

The subnet to be used by the replication staging area.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: subnet-[0-9a-fA-F]{8,}

Required: Yes

## stagingAreaTags

A set of tags to be associated with all resources created in the replication staging area: EC2 replication server, EBS volumes, EBS snapshots, etc.

Type: String to string map

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

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

Required: Yes

## tags

A set of tags to be associated with the Replication Configuration Template resource.

Type: String to string map

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

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

Required: No

## useDedicatedReplicationServer

Whether to use a dedicated Replication Server in the replication staging area.

Type: Boolean

Required: Yes

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
  "arn": "string",
  "associateDefaultSecurityGroup": boolean,
  "autoReplicateNewDisks": boolean,
  "bandwidthThrottling": number,
  "createPublicIP": boolean,
  "dataPlaneRouting": "string",
  "defaultLargeStagingDiskType": "string",
  "ebsEncryption": "string",
  "ebsEncryptionKeyArn": "string",
  "pitPolicy": [
    {
      "enabled": boolean,
      "interval": number,
      "retentionDuration": number,
      "ruleID": number,
```

```
        "units": "string"
    }
],
"replicationConfigurationTemplateID": "string",
"replicationServerInstanceType": "string",
"replicationServersSecurityGroupsIDs": [ "string" ],
"stagingAreaSubnetId": "string",
"stagingAreaTags": {
    "string" : "string"
},
"tags": {
    "string" : "string"
},
"useDedicatedReplicationServer": boolean
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### arn

The Replication Configuration Template ARN.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn: .{16,2044}

### associateDefaultSecurityGroup

Whether to associate the default Elastic Disaster Recovery Security group with the Replication Configuration Template.

Type: Boolean

### autoReplicateNewDisks

Whether to allow the AWS replication agent to automatically replicate newly added disks.

Type: Boolean

## bandwidthThrottling

Configure bandwidth throttling for the outbound data transfer rate of the Source Server in Mbps.

Type: Long

Valid Range: Minimum value of 0.

## createPublicIP

Whether to create a Public IP for the Recovery Instance by default.

Type: Boolean

## dataPlaneRouting

The data plane routing mechanism that will be used for replication.

Type: String

Valid Values: PRIVATE\_IP | PUBLIC\_IP

## defaultLargeStagingDiskType

The Staging Disk EBS volume type to be used during replication.

Type: String

Valid Values: GP2 | GP3 | ST1 | AUTO

## ebsEncryption

The type of EBS encryption to be used during replication.

Type: String

Valid Values: DEFAULT | CUSTOM | NONE

## ebsEncryptionKeyArn

The ARN of the EBS encryption key to be used during replication.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:.{16,2044}`

### [pitPolicy](#)

The Point in time (PIT) policy to manage snapshots taken during replication.

Type: Array of [PITPolicyRule](#) objects

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

### [replicationConfigurationTemplateID](#)

The Replication Configuration Template ID.

Type: String

Length Constraints: Fixed length of 21.

Pattern: `rct-[0-9a-zA-Z]{17}`

### [replicationServerInstanceType](#)

The instance type to be used for the replication server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

### [replicationServersSecurityGroupsIDs](#)

The security group IDs that will be used by the replication server.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `sg-[0-9a-fA-F]{8,}`

### [stagingAreaSubnetId](#)

The subnet to be used by the replication staging area.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: subnet-[0-9a-fA-F]{8,}

### [stagingAreaTags](#)

A set of tags to be associated with all resources created in the replication staging area: EC2 replication server, EBS volumes, EBS snapshots, etc.

Type: String to string map

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

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

### [tags](#)

A set of tags to be associated with the Replication Configuration Template resource.

Type: String to string map

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

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

### [useDedicatedReplicationServer](#)

Whether to use a dedicated Replication Server in the replication staging area.

Type: Boolean

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerException**

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

HTTP Status Code: 500

## ServiceQuotaExceededException

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# CreateSourceNetwork

Create a new Source Network resource for a provided VPC ID.

## Request Syntax

```
POST /CreateSourceNetwork HTTP/1.1
Content-type: application/json

{
  "originAccountID": "string",
  "originRegion": "string",
  "tags": {
    "string" : "string"
  },
  "vpcID": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### originAccountID

Account containing the VPC to protect.

Type: String

Length Constraints: Fixed length of 12.

Pattern: .\*[0-9]{12,}.\*

Required: Yes

### originRegion

Region containing the VPC to protect.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: (us(-gov)?|ap|ca|cn|eu|sa|af|me|i1)-(central|north|(north(?:east|west))|south|south(?:east|west)|east|west)-[0-9]

Required: Yes

## tags

A set of tags to be associated with the Source Network resource.

Type: String to string map

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

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

Required: No

## vpcID

Which VPC ID to protect.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 21.

Pattern: vpc-[0-9a-fA-F]{8,}

Required: Yes

## Response Syntax

```
HTTP/1.1 201
Content-type: application/json

{
    "sourceNetworkID": "string"
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 201 response.

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

### **sourceNetworkID**

ID of the created Source Network.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

## **Errors**

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerError**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ServiceQuotaExceededException**

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# DeleteJob

Deletes a single Job by ID.

## Request Syntax

```
POST /DeleteJob HTTP/1.1
Content-type: application/json

{
    "jobID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### jobID

The ID of the Job to be deleted.

Type: String

Length Constraints: Fixed length of 24.

Pattern: drsjob-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# DeleteLaunchAction

Deletes a resource launch action.

## Request Syntax

```
POST /DeleteLaunchAction HTTP/1.1
Content-type: application/json

{
  "actionId": "string",
  "resourceId": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### actionId

Launch action Id.

Type: String

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

Pattern: [0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}

Required: Yes

### resourceId

Launch configuration template Id or Source Server Id

Type: String

Pattern: (s-[0-9a-zA-Z]{17}\$|lct-[0-9a-zA-Z]{17})

Required: Yes

## Response Syntax

HTTP/1.1 204

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# DeleteLaunchConfigurationTemplate

Deletes a single Launch Configuration Template by ID.

## Request Syntax

```
POST /DeleteLaunchConfigurationTemplate HTTP/1.1
Content-type: application/json

{
    "launchConfigurationTemplateID": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### launchConfigurationTemplateID

The ID of the Launch Configuration Template to be deleted.

Type: String

Length Constraints: Fixed length of 21.

Pattern: lct-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# DeleteRecoveryInstance

Deletes a single Recovery Instance by ID. This deletes the Recovery Instance resource from Elastic Disaster Recovery. The Recovery Instance must be disconnected first in order to delete it.

## Request Syntax

```
POST /DeleteRecoveryInstance HTTP/1.1
Content-type: application/json

{
  "recoveryInstanceId
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### recoveryInstanceId

The ID of the Recovery Instance to be deleted.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# DeleteReplicationConfigurationTemplate

Deletes a single Replication Configuration Template by ID

## Request Syntax

```
POST /DeleteReplicationConfigurationTemplate HTTP/1.1
Content-type: application/json

{
  "replicationConfigurationTemplateID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### replicationConfigurationTemplateID

The ID of the Replication Configuration Template to be deleted.

Type: String

Length Constraints: Fixed length of 21.

Pattern: rct-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# DeleteSourceNetwork

Delete Source Network resource.

## Request Syntax

```
POST /DeleteSourceNetwork HTTP/1.1
Content-type: application/json

{
    "sourceNetworkID": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceNetworkID

ID of the Source Network to delete.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# DeleteSourceServer

Deletes a single Source Server by ID. The Source Server must be disconnected first.

## Request Syntax

```
POST /DeleteSourceServer HTTP/1.1
Content-type: application/json

{
    "sourceServerID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceServerID

The ID of the Source Server to be deleted.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# DescribeJobLogItems

Retrieves a detailed Job log with pagination.

## Request Syntax

```
POST /DescribeJobLogItems HTTP/1.1
Content-type: application/json

{
    "jobID": "string",
    "maxResults": number,
    "nextToken": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### jobID

The ID of the Job for which Job log items will be retrieved.

Type: String

Length Constraints: Fixed length of 24.

Pattern: drsjob-[0-9a-zA-Z]{17}

Required: Yes

### maxResults

Maximum number of Job log items to retrieve.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

### nextToken

The token of the next Job log items to retrieve.

Type: String

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

Required: No

## Response Syntax

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

{
  "items": [
    {
      "event": "string",
      "eventData": {
        "conversionProperties": {
          "dataTimestamp": "string",
          "forceUefi": boolean,
          "rootVolumeName": "string",
          "volumeToConversionMap": {
            "string" : {
              "string" : "string"
            }
          },
          "volumeToVolumeSize": {
            "string" : number
          }
        },
        "conversionServerID": "string",
        "eventResourceData": { ... },
        "rawError": "string",
        "sourceServerID": "string",
        "targetInstanceID": "string"
      },
      "logDateTime": "string"
    }
  ]
}
```

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

## Response Elements

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

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

### [items](#)

An array of Job log items.

Type: Array of [JobLog](#) objects

### [nextToken](#)

The token of the next Job log items to retrieve.

Type: String

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

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# DescribeJobs

Returns a list of Jobs. Use the JobsID and fromDate and toDate filters to limit which jobs are returned. The response is sorted by creationDateTime - latest date first. Jobs are created by the StartRecovery, TerminateRecoveryInstances and StartFallbackLaunch APIs. Jobs are also created by DiagnosticLaunch and TerminateDiagnosticInstances, which are APIs available only to \*Support\* and only used in response to relevant support tickets.

## Request Syntax

```
POST /DescribeJobs HTTP/1.1
Content-type: application/json

{
  "filtersfromDatejobIDstoDatemaxResultsnextToken
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### filters

A set of filters by which to return Jobs.

Type: [DescribeJobsRequestFilters](#) object

Required: No

### maxResults

Maximum number of Jobs to retrieve.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

### nextToken

The token of the next Job to retrieve.

Type: String

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

Required: No

## Response Syntax

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

{
    "itemsarncreationDateTimeendDateTimeinitiatedByjobIDparticipatingResourceslaunchStatusparticipatingResourceIDparticipatingServerslaunchActionsStatusrunsactionactionCodeactionId
```

```
        "actionVersion": "string",
        "active": boolean,
        "category": "string",
        "description": "string",
        "name": "string",
        "optional": boolean,
        "order": number,
        "parameters": {
            "string" : {
                "type": "string",
                "value": "string"
            }
        },
        "type": "string"
    },
    "failureReason": "string",
    "runId": "string",
    "status": "string"
}
],
"ssmAgentDiscoveryDatetime": "string"
},
"launchStatus": "string",
"recoveryInstanceId": "string",
"sourceServerID": "string"
}
],
"status": "string",
"tags": {
    "string" : "string"
},
"type": "string"
}
],
"nextToken": "string"
}
```

## Response Elements

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

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

## items

An array of Jobs.

Type: Array of [Job](#) objects

## nextToken

The token of the next Job to retrieve.

Type: String

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

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# DescribeLaunchConfigurationTemplates

Lists all Launch Configuration Templates, filtered by Launch Configuration Template IDs

## Request Syntax

```
POST /DescribeLaunchConfigurationTemplates HTTP/1.1
Content-type: application/json

{
  "launchConfigurationTemplateIDs": [ "string" ],
  "maxResults": number,
  "nextToken": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### launchConfigurationTemplateIDs

Request to filter Launch Configuration Templates list by Launch Configuration Template ID.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1 item.

Length Constraints: Fixed length of 21.

Pattern: lct-[0-9a-zA-Z]{17}

Required: No

### maxResults

Maximum results to be returned in DescribeLaunchConfigurationTemplates.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

### nextToken

The token of the next Launch Configuration Template to retrieve.

Type: String

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

Required: No

## Response Syntax

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

{
    "items": [
        {
            "arn": "string",
            "copyPrivateIp": boolean,
            "copyTags": boolean,
            "exportBucketArn": "string",
            "launchConfigurationTemplateID": "string",
            "launchDisposition": "string",
            "launchIntoSourceInstance": boolean,
            "licensing": {
                "osByol": boolean
            },
            "postLaunchEnabled": boolean,
            "tags": {
                "string" : "string"
            },
            "targetInstanceTypeRightSizingMethod": "string"
        }
    ],
    "nextToken": "string"
}
```

## Response Elements

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

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

## items

List of items returned by `DescribeLaunchConfigurationTemplates`.

Type: Array of [LaunchConfigurationTemplate](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

## nextToken

The token of the next Launch Configuration Template to retrieve.

Type: String

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

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# DescribeRecoveryInstances

Lists all Recovery Instances or multiple Recovery Instances by ID.

## Request Syntax

```
POST /DescribeRecoveryInstances HTTP/1.1
Content-type: application/json

{
  "filtersrecoveryInstanceIDsstring" ],
    "sourceServerIDsstring" ]
  },
  "maxResultsnumber,
  "nextTokenstring"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### filters

A set of filters by which to return Recovery Instances.

Type: [DescribeRecoveryInstancesRequestFilters](#) object

Required: No

### maxResults

Maximum number of Recovery Instances to retrieve.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

## nextToken

The token of the next Recovery Instance to retrieve.

Type: String

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

Required: No

## Response Syntax

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

{
  "itemsarnstring",
      "dataReplicationInfodataReplicationErrorerrorstring",
          "rawErrorstring"
        },
        "dataReplicationInitiationstartDateTimestring",
          "stepsnamestring",
              "statusstring"
            }
          ]
        },
        "dataReplicationStatestring",
        "etaDateTimestring",
        "lagDurationstring",
        "replicatedDisksbackloggedStorageBytesnumber,
            "deviceNamestring",
            "replicatedStorageBytesnumber,
            "rescannedStorageBytesnumber,
            "totalStorageBytesnumber
          }
        ]
      }
    }
  ]
}
```

```
        }
    ],
    "stagingAvailabilityZone": "string"
},
"ec2InstanceID": "string",
"ec2InstanceState": "string",
"fallback": {
    "agentLastSeenByServiceDateTime": "string",
    "elapsedReplicationDuration": "string",
    "fallbackClientID": "string",
    "fallbackClientLastSeenByServiceDateTime": "string",
    "fallbackInitiationTime": "string",
    "fallbackJobID": "string",
    "fallbackLaunchType": "string",
    "fallbackToOriginalServer": boolean,
    "firstByteDateTime": "string",
    "state": "string"
},
"isDrill": boolean,
"jobID": "string",
"originAvailabilityZone": "string",
"originEnvironment": "string",
"pointInTimeSnapshotDateTime": "string",
"recoveryInstanceID": "string",
"recoveryInstanceProperties": {
    "cpus": [
        {
            "cores": number,
            "modelName": "string"
        }
    ],
    "disks": [
        {
            "bytes": number,
            "ebsVolumeID": "string",
            "internalDeviceName": "string"
        }
    ],
    "identificationHints": {
        "awsInstanceID": "string",
        "fqdn": "string",
        "hostname": "string",
        "vmWareUuid": "string"
    }
},
```

```
        "lastUpdatedDateTime": "string",
        "networkInterfaces": [
            {
                "ips": [ "string" ],
                "isPrimary": boolean,
                "macAddress": "string"
            }
        ],
        "os": {
            "fullString": "string"
        },
        "ramBytes": number
    },
    "sourceServerID": "string",
    "tags": {
        "string" : "string"
    }
}
],
"nextToken": "string"
}
```

## Response Elements

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

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

### items

An array of Recovery Instances.

Type: Array of [RecoveryInstance](#) objects

### nextToken

The token of the next Recovery Instance to retrieve.

Type: String

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

## Errors

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

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### InternalServerException

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

HTTP Status Code: 500

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

### UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# DescribeRecoverySnapshots

Lists all Recovery Snapshots for a single Source Server.

## Request Syntax

```
POST /DescribeRecoverySnapshots HTTP/1.1
Content-type: application/json

{
  "filtersfromDateTimetoDateTimemaxResultsnextTokenordersourceServerID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### filters

A set of filters by which to return Recovery Snapshots.

Type: [DescribeRecoverySnapshotsRequestFilters](#) object

Required: No

### maxResults

Maximum number of Recovery Snapshots to retrieve.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

### nextToken

The token of the next Recovery Snapshot to retrieve.

Type: String

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

Required: No

### order

The sorted ordering by which to return Recovery Snapshots.

Type: String

Valid Values: ASC | DESC

Required: No

### sourceServerID

Filter Recovery Snapshots by Source Server ID.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

{
    "items": [
        {
            "ebsSnapshots": [ "string" ],
            "expectedTimestamp": "string",
            "lastModified": "string"
        }
    ]
}
```

```
        "snapshotID": "string",
        "sourceServerID": "string",
        "timestamp": "string"
    }
],
"nextToken": "string"
}
```

## Response Elements

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

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

### items

An array of Recovery Snapshots.

Type: Array of [RecoverySnapshot](#) objects

### nextToken

The token of the next Recovery Snapshot to retrieve.

Type: String

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

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerException**

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

HTTP Status Code: 500

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# DescribeReplicationConfigurationTemplates

Lists all ReplicationConfigurationTemplates, filtered by Source Server IDs.

## Request Syntax

```
POST /DescribeReplicationConfigurationTemplates HTTP/1.1
Content-type: application/json

{
    "maxResultsnumber,
    "nextTokenstring",
    "replicationConfigurationTemplateIDsstring" ]
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### maxResults

Maximum number of Replication Configuration Templates to retrieve.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

### nextToken

The token of the next Replication Configuration Template to retrieve.

Type: String

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

Required: No

## [replicationConfigurationTemplateIDs](#)

The IDs of the Replication Configuration Templates to retrieve. An empty list means all Replication Configuration Templates.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Fixed length of 21.

Pattern: rct-[0-9a-zA-Z]{17}

Required: No

## Response Syntax

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

{
  "itemsarnstring",
      "associateDefaultSecurityGroupboolean,
      "autoReplicateNewDisksboolean,
      "bandwidthThrottlingnumber,
      "createPublicIPboolean,
      "dataPlaneRoutingstring",
      "defaultLargeStagingDiskTypestring",
      "ebsEncryptionstring",
      "ebsEncryptionKeyArnstring",
      "pitPolicyenabledboolean,
          "intervalnumber,
          "retentionDurationnumber,
          "ruleIDnumber,
          "unitsstring"
        }
      ],
      "replicationConfigurationTemplateIDstring",
      "replicationServerInstanceTypestring",
    }
  ]
}
```

```
"replicationServersSecurityGroupsIDs": [ "string" ],
"stagingAreaSubnetId": "string",
"stagingAreaTags": {
    "string" : "string"
},
"tags": {
    "string" : "string"
},
"useDedicatedReplicationServer": boolean
}
],
"nextToken": "string"
}
```

## Response Elements

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

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

### items

An array of Replication Configuration Templates.

Type: Array of [ReplicationConfigurationTemplate](#) objects

### nextToken

The token of the next Replication Configuration Template to retrieve.

Type: String

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

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# DescribeSourceNetworks

Lists all Source Networks or multiple Source Networks filtered by ID.

## Request Syntax

```
POST /DescribeSourceNetworks HTTP/1.1
Content-type: application/json

{
  "filtersoriginAccountIDoriginRegionsourceNetworkIDsmaxResultsnextToken
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### filters

A set of filters by which to return Source Networks.

Type: [DescribeSourceNetworksRequestFilters](#) object

Required: No

### maxResults

Maximum number of Source Networks to retrieve.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

### nextToken

The token of the next Source Networks to retrieve.

Type: String

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

Required: No

## Response Syntax

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

{
    "items": [
        {
            "arn": "string",
            "cfnStackName": "string",
            "lastRecovery": {
                "apiCallDateTime": "string",
                "jobID": "string",
                "lastRecoveryResult": "string"
            },
            "launchedVpcID": "string",
            "replicationStatus": "string",
            "replicationStatusDetails": "string",
            "sourceAccountID": "string",
            "sourceNetworkID": "string",
            "sourceRegion": "string",
            "sourceVpcID": "string",
            "tags": {
                "string" : "string"
            }
        }
    ],
    "nextToken": "string"
}
```

## Response Elements

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

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

### items

An array of Source Networks.

Type: Array of [SourceNetwork](#) objects

### nextToken

The token of the next Source Networks to retrieve.

Type: String

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

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# DescribeSourceServers

Lists all Source Servers or multiple Source Servers filtered by ID.

## Request Syntax

```
POST /DescribeSourceServers HTTP/1.1
Content-type: application/json

{
  "filters": {
    "hardwareId": "string",
    "sourceServerIDs": [ "string" ],
    "stagingAccountIDs": [ "string" ]
  },
  "maxResults": number,
  "nextToken": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### filters

A set of filters by which to return Source Servers.

Type: [DescribeSourceServersRequestFilters](#) object

Required: No

### maxResults

Maximum number of Source Servers to retrieve.

Type: Integer

Valid Range: Minimum value of 1.

Required: No

## nextToken

The token of the next Source Server to retrieve.

Type: String

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

Required: No

## Response Syntax

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

{
  "itemsarnstring",
      "dataReplicationInfodataReplicationErrorerrorstring",
          "rawErrorstring"
        },
        "dataReplicationInitiationnextAttemptDateTimestring",
          "startDateTimestring",
          "stepsnamestring",
              "statusstring"
            }
          ]
        },
        "dataReplicationStatestring",
        "etaDateTimestring",
        "lagDurationstring",
        "replicatedDisksbackloggedStorageBytesnumber,
            "deviceNamestring",
            "replicatedStorageBytesnumber,
            "rescannedStorageBytesnumber,
            "
```

```
        "totalStorageBytes": number
    }
],
"stagingAvailabilityZone": "string"
},
"lastLaunchResult": "string",
"lifeCycle": {
    "addedToServiceDateTime": "string",
    "elapsedReplicationDuration": "string",
    "firstByteDateTime": "string",
    "lastLaunch": {
        "initiated": {
            "apiCallDateTime": "string",
            "jobID": "string",
            "type": "string"
        },
        "status": "string"
    },
    "lastSeenByServiceDateTime": "string"
},
"recoveryInstanceId": "string",
"replicationDirection": "string",
"reversedDirectionSourceServerArn": "string",
"sourceCloudProperties": {
    "originAccountID": "string",
    "originAvailabilityZone": "string",
    "originRegion": "string"
},
"sourceNetworkID": "string",
"sourceProperties": {
    "cpus": [
        {
            "cores": number,
            "modelName": "string"
        }
    ],
    "disks": [
        {
            "bytes": number,
            "deviceName": "string"
        }
    ],
    "identificationHints": {
        "awsInstanceID": "string",
        "awsRegion": "string"
    }
}
```

```
        "fqdn": "string",
        "hostname": "string",
        "vmWareUuid": "string"
    },
    "lastUpdatedDateTime": "string",
    "networkInterfaces": [
        {
            "ips": [ "string" ],
            "isPrimary": boolean,
            "macAddress": "string"
        }
    ],
    "os": {
        "fullString": "string"
    },
    "ramBytes": number,
    "recommendedInstanceType": "string",
    "supportsNitroInstances": boolean
},
"sourceServerID": "string",
"stagingArea": {
    "errorMessage": "string",
    "stagingAccountId": "string",
    "stagingSourceServerArn": "string",
    "status": "string"
},
"tags": {
    "string" : "string"
}
],
"nextToken": "string"
}
```

## Response Elements

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

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

### items

An array of Source Servers.

Type: Array of [SourceServer](#) objects

### nextToken

The token of the next Source Server to retrieve.

Type: String

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

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# DisconnectRecoveryInstance

Disconnect a Recovery Instance from Elastic Disaster Recovery. Data replication is stopped immediately. All AWS resources created by Elastic Disaster Recovery for enabling the replication of the Recovery Instance will be terminated / deleted within 90 minutes. If the agent on the Recovery Instance has not been prevented from communicating with the Elastic Disaster Recovery service, then it will receive a command to uninstall itself (within approximately 10 minutes). The following properties of the Recovery Instance will be changed immediately: dataReplicationInfo.dataReplicationState will be set to DISCONNECTED; The totalStorageBytes property for each of dataReplicationInfo.replicatedDisks will be set to zero; dataReplicationInfo.lagDuration and dataReplicationInfo.lagDuration will be nullified.

## Request Syntax

```
POST /DisconnectRecoveryInstance HTTP/1.1
Content-type: application/json

{
  "recoveryInstanceID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### recoveryInstanceID

The ID of the Recovery Instance to disconnect.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: Yes

## Response Syntax

HTTP/1.1 200

## Response Elements

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

## Errors

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

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### ConflictException

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### InternalServerError

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

HTTP Status Code: 500

### ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

### UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

# DisconnectSourceServer

Disconnects a specific Source Server from Elastic Disaster Recovery. Data replication is stopped immediately. All AWS resources created by Elastic Disaster Recovery for enabling the replication of the Source Server will be terminated / deleted within 90 minutes. You cannot disconnect a Source Server if it has a Recovery Instance. If the agent on the Source Server has not been prevented from communicating with the Elastic Disaster Recovery service, then it will receive a command to uninstall itself (within approximately 10 minutes). The following properties of the SourceServer will be changed immediately: dataReplicationInfo.dataReplicationState will be set to DISCONNECTED; The totalStorageBytes property for each of dataReplicationInfo.replicatedDisks will be set to zero; dataReplicationInfo.lagDuration and dataReplicationInfo.lagDuration will be nullified.

## Request Syntax

```
POST /DisconnectSourceServer HTTP/1.1
Content-type: application/json

{
    "sourceServerID": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceServerID

The ID of the Source Server to disconnect.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

{
    "arn": "string",
    "dataReplicationInfo": {
        "dataReplicationError": {
            "error": "string",
            "rawError": "string"
        },
        "dataReplicationInitiation": {
            "nextAttemptDateTime": "string",
            "startDateTime": "string",
            "steps": [
                {
                    "name": "string",
                    "status": "string"
                }
            ]
        },
        "dataReplicationState": "string",
        "etaDateTime": "string",
        "lagDuration": "string",
        "replicatedDisks": [
            {
                "backloggedStorageBytes": number,
                "deviceName": "string",
                "replicatedStorageBytes": number,
                "rescannedStorageBytes": number,
                "totalStorageBytes": number
            }
        ],
        "stagingAvailabilityZone": "string"
    },
    "lastLaunchResult": "string",
    "lifeCycle": {
        "addedToServiceDateTime": "string",
        "elapsedReplicationDuration": "string",
        "firstByteDateTime": "string",
        "lastLaunch": {
            "initiated": {

```

```
        "apiCallDateTime": "string",
        "jobID": "string",
        "type": "string"
    },
    "status": "string"
},
"lastSeenByServiceDateTime": "string"
},
"recoveryInstanceId": "string",
"replicationDirection": "string",
"reversedDirectionSourceServerArn": "string",
"sourceCloudProperties": {
    "originAccountID": "string",
    "originAvailabilityZone": "string",
    "originRegion": "string"
},
"sourceNetworkID": "string",
"sourceProperties": {
    "cpus": [
        {
            "cores": number,
            "modelName": "string"
        }
    ],
    "disks": [
        {
            "bytes": number,
            "deviceName": "string"
        }
    ],
    "identificationHints": {
        "awsInstanceID": "string",
        "fqdn": "string",
        "hostname": "string",
        "vmWareUuid": "string"
    },
    "lastUpdatedDateTime": "string",
    "networkInterfaces": [
        {
            "ips": [ "string" ],
            "isPrimary": boolean,
            "macAddress": "string"
        }
    ],
}
```

```
"os": {  
    "fullString": "string"  
},  
"ramBytes": number,  
"recommendedInstanceType": "string",  
"supportsNitroInstances": boolean  
},  
"sourceServerID": "string",  
"stagingArea": {  
    "errorMessage": "string",  
    "stagingAccountID": "string",  
    "stagingSourceServerArn": "string",  
    "status": "string"  
},  
"tags": {  
    "string" : "string"  
}  
}
```

## Response Elements

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

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

### arn

The ARN of the Source Server.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:.{16,2044}

### dataReplicationInfo

The Data Replication Info of the Source Server.

Type: [DataReplicationInfo](#) object

### lastLaunchResult

The status of the last recovery launch of this Source Server.

Type: String

Valid Values: NOT\_STARTED | PENDING | SUCCEEDED | FAILED

### lifeCycle

The lifecycle information of this Source Server.

Type: [LifeCycle](#) object

### recoveryInstanceld

The ID of the Recovery Instance associated with this Source Server.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

### replicationDirection

Replication direction of the Source Server.

Type: String

Valid Values: FAILOVER | FAILBACK

### reversedDirectionSourceServerArn

For EC2-originated Source Servers which have been failed over and then failed back, this value will mean the ARN of the Source Server on the opposite replication direction.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:(?:[0-9a-zA-Z\_-]+:){3}([0-9]{12,}):source-server/(s-[0-9a-zA-Z]{17})

### sourceCloudProperties

Source cloud properties of the Source Server.

Type: [SourceCloudProperties](#) object

## sourceNetworkID

ID of the Source Network which is protecting this Source Server's network.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

## sourceProperties

The source properties of the Source Server.

Type: [SourceProperties](#) object

## sourceServerID

The ID of the Source Server.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

## stagingArea

The staging area of the source server.

Type: [StagingArea](#) object

## tags

The tags associated with the Source Server.

Type: String to string map

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

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

## Errors

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

## ConflictException

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

## InternalServerException

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# ExportSourceNetworkCfnTemplate

Export the Source Network CloudFormation template to an S3 bucket.

## Request Syntax

```
POST /ExportSourceNetworkCfnTemplate HTTP/1.1
Content-type: application/json

{
    "sourceNetworkID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceNetworkID

The Source Network ID to export its CloudFormation template to an S3 bucket.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

{
    "s3DestinationUrl
```

}

## Response Elements

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

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

### s3DestinationUrl

S3 bucket URL where the Source Network CloudFormation template was exported to.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# GetFallbackReplicationConfiguration

Lists all Fallback ReplicationConfigurations, filtered by Recovery Instance ID.

## Request Syntax

```
POST /GetFallbackReplicationConfiguration HTTP/1.1
Content-type: application/json

{
  "recoveryInstanceID": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### recoveryInstanceID

The ID of the Recovery Instance whose fallback replication configuration should be returned.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: Yes

## Response Syntax

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

{
```

```
"bandwidthThrottling": number,  
"namestring",  
"recoveryInstanceID": "string",  
"usePrivateIP": boolean  
}
```

## Response Elements

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

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

### bandwidthThrottling

Configure bandwidth throttling for the outbound data transfer rate of the Recovery Instance in Mbps.

Type: Long

Valid Range: Minimum value of 0.

### name

The name of the Fallback Replication Configuration.

Type: String

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

### recoveryInstanceID

The ID of the Recovery Instance.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

### usePrivateIP

Whether to use Private IP for the failback replication of the Recovery Instance.

Type: Boolean

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# GetLaunchConfiguration

Gets a LaunchConfiguration, filtered by Source Server IDs.

## Request Syntax

```
POST /GetLaunchConfiguration HTTP/1.1
Content-type: application/json

{
    "sourceServerID": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceServerID

The ID of the Source Server that we want to retrieve a Launch Configuration for.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

{
    "copyPrivateIp": boolean,
}
```

```
"copyTags": boolean,  
"ec2LaunchTemplateID": "string",  
"launchDisposition": "string",  
"launchIntoInstanceProperties": {  
    "launchIntoEC2InstanceID": "string"  
},  
"licensing": {  
    "osByol": boolean  
},  
"name": "string",  
"postLaunchEnabled": boolean,  
"sourceServerID": "string",  
"targetInstanceTypeRightSizingMethod": "string"  
}
```

## Response Elements

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

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

### copyPrivateIp

Whether we should copy the Private IP of the Source Server to the Recovery Instance.

Type: Boolean

### copyTags

Whether we want to copy the tags of the Source Server to the EC2 machine of the Recovery Instance.

Type: Boolean

### ec2LaunchTemplateID

The EC2 launch template ID of this launch configuration.

Type: String

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

### launchDisposition

The state of the Recovery Instance in EC2 after the recovery operation.

Type: String

Valid Values: STOPPED | STARTED

### launchIntoInstanceProperties

Launch into existing instance properties.

Type: [LaunchIntoInstanceProperties](#) object

### licensing

The licensing configuration to be used for this launch configuration.

Type: [Licensing](#) object

### name

The name of the launch configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

### postLaunchEnabled

Whether we want to activate post-launch actions for the Source Server.

Type: Boolean

### sourceServerID

The ID of the Source Server for this launch configuration.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

### targetInstanceTypeRightSizingMethod

Whether Elastic Disaster Recovery should try to automatically choose the instance type that best matches the OS, CPU, and RAM of your Source Server.

Type: String

Valid Values: NONE | BASIC | IN\_AWS

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# GetReplicationConfiguration

Gets a ReplicationConfiguration, filtered by Source Server ID.

## Request Syntax

```
POST /GetReplicationConfiguration HTTP/1.1
Content-type: application/json

{
    "sourceServerID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceServerID

The ID of the Source Serve for this Replication Configuration.r

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

{
```

```
"associateDefaultSecurityGroup": boolean,
"autoReplicateNewDisks": boolean,
"bandwidthThrottling": number,
"createPublicIP": boolean,
"dataPlaneRouting": "string",
"defaultLargeStagingDiskType": "string",
"ebsEncryption": "string",
"ebsEncryptionKeyArn": "string",
"name": "string",
"pitPolicy": [
  {
    "enabled": boolean,
    "interval": number,
    "retentionDuration": number,
    "ruleID": number,
    "units": "string"
  }
],
"replicatedDisks": [
  {
    "deviceName": "string",
    "iops": number,
    "isBootDisk": boolean,
    "optimizedStagingDiskType": "string",
    "stagingDiskType": "string",
    "throughput": number
  }
],
"replicationServerInstanceType": "string",
"replicationServersSecurityGroupsIDs": [ "string" ],
"sourceServerID": "string",
"stagingAreaSubnetId": "string",
"stagingAreaTags": {
  "string" : "string"
},
"useDedicatedReplicationServer": boolean
}
```

## Response Elements

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

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

## [associateDefaultSecurityGroup](#)

Whether to associate the default Elastic Disaster Recovery Security group with the Replication Configuration.

Type: Boolean

## [autoReplicateNewDisks](#)

Whether to allow the AWS replication agent to automatically replicate newly added disks.

Type: Boolean

## [bandwidthThrottling](#)

Configure bandwidth throttling for the outbound data transfer rate of the Source Server in Mbps.

Type: Long

Valid Range: Minimum value of 0.

## [createPublicIP](#)

Whether to create a Public IP for the Recovery Instance by default.

Type: Boolean

## [dataPlaneRouting](#)

The data plane routing mechanism that will be used for replication.

Type: String

Valid Values: PRIVATE\_IP | PUBLIC\_IP

## [defaultLargeStagingDiskType](#)

The Staging Disk EBS volume type to be used during replication.

Type: String

Valid Values: GP2 | GP3 | ST1 | AUTO

## [ebsEncryption](#)

The type of EBS encryption to be used during replication.

Type: String

Valid Values: DEFAULT | CUSTOM | NONE

### ebsEncryptionKeyArn

The ARN of the EBS encryption key to be used during replication.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn: . {16, 2044}`

### name

The name of the Replication Configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

### pitPolicy

The Point in time (PIT) policy to manage snapshots taken during replication.

Type: Array of [PITPolicyRule](#) objects

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

### replicatedDisks

The configuration of the disks of the Source Server to be replicated.

Type: Array of [ReplicationConfigurationReplicatedDisk](#) objects

Array Members: Minimum number of 0 items. Maximum number of 60 items.

### replicationServerInstanceType

The instance type to be used for the replication server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

## replicationServersSecurityGroupsIDs

The security group IDs that will be used by the replication server.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: sg-[0-9a-fA-F]{8,}

## sourceServerID

The ID of the Source Server for this Replication Configuration.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

## stagingAreaSubnetId

The subnet to be used by the replication staging area.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: subnet-[0-9a-fA-F]{8,}

## stagingAreaTags

A set of tags to be associated with all resources created in the replication staging area: EC2 replication server, EBS volumes, EBS snapshots, etc.

Type: String to string map

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

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

## useDedicatedReplicationServer

Whether to use a dedicated Replication Server in the replication staging area.

Type: Boolean

## Errors

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

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### InternalServerError

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

HTTP Status Code: 500

### ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

### UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)
- [AWS SDK for .NET](#)

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

# InitializeService

Initialize Elastic Disaster Recovery.

## Request Syntax

```
POST /InitializeService HTTP/1.1
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 204
```

## Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

## Errors

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

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### InternalServerError

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

HTTP Status Code: 500

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# ListExtensibleSourceServers

Returns a list of source servers on a staging account that are extensible, which means that: a. The source server is not already extended into this Account. b. The source server on the Account we're reading from is not an extension of another source server.

## Request Syntax

```
POST /ListExtensibleSourceServers HTTP/1.1
Content-type: application/json

{
    "maxResults": number,
    "nextToken": "string",
    "stagingAccountID": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### maxResults

The maximum number of extensible source servers to retrieve.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 300.

Required: No

### nextToken

The token of the next extensible source server to retrieve.

Type: String

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

Required: No

### stagingAccountId

The Id of the staging Account to retrieve extensible source servers from.

Type: String

Length Constraints: Fixed length of 12.

Pattern: .\*[0-9]{12,}.\*

Required: Yes

## Response Syntax

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

```
{
  "items": [
    {
      "arn": "string",
      "hostname": "string",
      "tags": {
        "string" : "string"
      }
    }
  ],
  "nextToken": "string"
}
```

## Response Elements

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

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

### items

A list of source servers on a staging Account that are extensible.

Type: Array of [StagingSourceServer](#) objects

## nextToken

The token of the next extensible source server to retrieve.

Type: String

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

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerException**

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

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# ListLaunchActions

Lists resource launch actions.

## Request Syntax

```
POST /ListLaunchActions HTTP/1.1
Content-type: application/json

{
  "filtersactionIdsstring" ]
  },
  "maxResultsnumber,
  "nextTokenstring",
  "resourceIdstring"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### filters

Filters to apply when listing resource launch actions.

Type: [LaunchActionsRequestFilters](#) object

Required: No

### maxResults

Maximum amount of items to return when listing resource launch actions.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 1000.

Required: No

## nextToken

Next token to use when listing resource launch actions.

Type: String

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

Required: No

## resourceId

Launch configuration template Id or Source Server Id

Type: String

Pattern: (s-[0-9a-zA-Z]{17}\$\$|lct-[0-9a-zA-Z]{17})

Required: Yes

## Response Syntax

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

```
{
  "items": [
    {
      "actionCodeactionIdactionVersionactivecategorydescriptionnameoptionalorderparameterstypevalue
```

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

## Response Elements

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

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

### items

List of resource launch actions.

Type: Array of [LaunchAction](#) objects

Array Members: Minimum number of 0 items. Maximum number of 200 items.

### nextToken

Next token returned when listing resource launch actions.

Type: String

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

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

## ServiceQuotaExceededException

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

# ListStagingAccounts

Returns an array of staging accounts for existing extended source servers.

## Request Syntax

```
GET /ListStagingAccounts?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

## URI Request Parameters

The request uses the following URI parameters.

### maxResults

The maximum number of staging Accounts to retrieve.

Valid Range: Minimum value of 1. Maximum value of 50.

### nextToken

The token of the next staging Account to retrieve.

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

## Request Body

The request does not have a request body.

## Response Syntax

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

```
{
  "accounts": [
    {
      "accountIDnextToken": "string"
```

```
}
```

## Response Elements

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

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

### accounts

An array of staging AWS Accounts.

Type: Array of [Account](#) objects

Array Members: Minimum number of 0 items. Maximum number of 50 items.

### nextToken

The token of the next staging Account to retrieve.

Type: String

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

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerError**

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

HTTP Status Code: 500

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# ListTagsForResource

List all tags for your Elastic Disaster Recovery resources.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

The ARN of the resource whose tags should be returned.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn: .{16,2044}`

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

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

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

## Response Elements

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

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

## tags

The tags of the requested resource.

Type: String to string map

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

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

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# PutLaunchAction

Puts a resource launch action.

## Request Syntax

```
POST /PutLaunchAction HTTP/1.1
Content-type: application/json
```

```
{
  "actionCode": "string",
  "actionId": "string",
  "actionVersion": "string",
  "active": boolean,
  "category": "string",
  "description": "string",
  "name": "string",
  "optional": boolean,
  "order": number,
  "parameters": {
    "string" : {
      "type": "string",
      "value": "string"
    }
  },
  "resourceId": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### actionCode

Launch action code.

Type: String

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

Pattern: ([A-Za-z0-9-/:])+

Required: Yes

### actionId

Launch action Id.

Type: String

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

Pattern: [0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}

Required: Yes

### actionVersion

Launch action version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10.

Pattern: (\\$DEFAULT|\\$LATEST|[0-9]+)

Required: Yes

### active

Whether the launch action is active.

Type: Boolean

Required: Yes

### category

Launch action category.

Type: String

Valid Values: MONITORING | VALIDATION | CONFIGURATION | SECURITY | OTHER

Required: Yes

### [description](#)

Launch action description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: [0-9a-zA-Z ():/.,'-\_#\*; ]\*

Required: Yes

### [name](#)

Launch action name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: [A-Za-z0-9][A-Za-z0-9 /\_-]\*

Required: Yes

### [optional](#)

Whether the launch will not be marked as failed if this action fails.

Type: Boolean

Required: Yes

### [order](#)

Launch action order.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 10000.

Required: Yes

### [parameters](#)

Launch action parameters.

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

Map Entries: Minimum number of 0 items. Maximum number of 20 items.

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

Key Pattern: ([A-Za-z0-9])+

Required: No

### resourceId

Launch configuration template Id or Source Server Id

Type: String

Pattern: (s-[0-9a-zA-Z]{17}\\$|lct-[0-9a-zA-Z]{17})

Required: Yes

## Response Syntax

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

```
{
  "actionCode": "string",
  "actionId": "string",
  "actionVersion": "string",
  "active": boolean,
  "category": "string",
  "description": "string",
  "name": "string",
  "optional": boolean,
  "order": number,
  "parameters": {
    "string" : {
      "type": "string",
      "value": "string"
    }
  },
  "resourceId": "string",
  "type": "string"
```

```
}
```

## Response Elements

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

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

### [actionCode](#)

Launch action code.

Type: String

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

Pattern: ([A-Za-z0-9-/:])+

### [actionId](#)

Launch action Id.

Type: String

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

Pattern: [0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}

### [actionVersion](#)

Launch action version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10.

Pattern: (\\$DEFAULT|\\$LATEST|[0-9]+)

### [active](#)

Whether the launch action is active.

Type: Boolean

## category

Launch action category.

Type: String

Valid Values: MONITORING | VALIDATION | CONFIGURATION | SECURITY | OTHER

## description

Launch action description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: [0-9a-zA-Z ()/.,-\_#\*; ]\*

## name

Launch action name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: [A-Za-z0-9][A-Za-z0-9 /\_-]\*

## optional

Whether the launch will not be marked as failed if this action fails.

Type: Boolean

## order

Launch action order.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 10000.

## parameters

Launch action parameters.

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

Map Entries: Minimum number of 0 items. Maximum number of 20 items.

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

Key Pattern: ( [A-Za-z0-9] )+

### resourceId

Launch configuration template Id or Source Server Id

Type: String

Pattern: (s-[0-9a-zA-Z]{17}\\$|lct-[0-9a-zA-Z]{17})

### type

Launch action type.

Type: String

Valid Values: SSM\_AUTOMATION | SSM\_COMMAND

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# RetryDataReplication

**WARNING:** `RetryDataReplication` is deprecated. Causes the data replication initiation sequence to begin immediately upon next Handshake for the specified Source Server ID, regardless of when the previous initiation started. This command will work only if the Source Server is stalled or is in a `DISCONNECTED` or `STOPPED` state.

## Request Syntax

```
POST /RetryDataReplication HTTP/1.1
Content-type: application/json

{
    "sourceServerID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceServerID

The ID of the Source Server whose data replication should be retried.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

```
{  
    "arn": "string",  
    "dataReplicationInfo": {  
        "dataReplicationError": {  
            "error": "string",  
            "rawError": "string"  
        },  
        "dataReplicationInitiation": {  
            "nextAttemptDateTime": "string",  
            "startDateTime": "string",  
            "steps": [  
                {  
                    "name": "string",  
                    "status": "string"  
                }  
            ]  
        },  
        "dataReplicationState": "string",  
        "etaDateTime": "string",  
        "lagDuration": "string",  
        "replicatedDisks": [  
            {  
                "backloggedStorageBytes": number,  
                "deviceName": "string",  
                "replicatedStorageBytes": number,  
                "rescannedStorageBytes": number,  
                "totalStorageBytes": number  
            }  
        ],  
        "stagingAvailabilityZone": "string"  
    },  
    "lastLaunchResult": "string",  
    "lifeCycle": {  
        "addedToServiceDateTime": "string",  
        "elapsedReplicationDuration": "string",  
        "firstByteDateTime": "string",  
        "lastLaunch": {  
            "initiated": {  
                "apiCallDateTime": "string",  
                "jobID": "string",  
                "type": "string"  
            },  
            "status": "string"  
        },  
    },  
}
```

```
"lastSeenByServiceDateTimerecoveryInstanceIdreplicationDirectionreversedDirectionSourceServerArnsourceCloudPropertiesoriginAccountIDoriginAvailabilityZoneoriginRegionsourceNetworkIDsourcePropertiescpuscoresmodelNamedisksbytesdeviceNameidentificationHintsawsInstanceIDfqdnhostnamevmWareUuidlastUpdatedDateTimenetworkInterfacesipsisPrimarymacAddressosfullStringramBytesrecommendedInstanceTypesupportsNitroInstances
```

```
},
"sourceServerID": "string",
"stagingArea": {
    "errorMessage": "string",
    "stagingAccountID": "string",
    "stagingSourceServerArn": "string",
    "status": "string"
},
"tags": {
    "string" : "string"
}
}
```

## Response Elements

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

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

### arn

The ARN of the Source Server.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:.{16,2044}

### dataReplicationInfo

The Data Replication Info of the Source Server.

Type: [DataReplicationInfo](#) object

### lastLaunchResult

The status of the last recovery launch of this Source Server.

Type: String

Valid Values: NOT\_STARTED | PENDING | SUCCEEDED | FAILED

### lifeCycle

The lifecycle information of this Source Server.

Type: [LifeCycle](#) object

### recoveryInstanceld

The ID of the Recovery Instance associated with this Source Server.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

### replicationDirection

Replication direction of the Source Server.

Type: String

Valid Values: FAILOVER | FAILBACK

### reversedDirectionSourceServerArn

For EC2-originated Source Servers which have been failed over and then failed back, this value will mean the ARN of the Source Server on the opposite replication direction.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:(?:[0-9a-zA-Z\_-]+:){3}([0-9]{12,}):source-server/(s-[0-9a-zA-Z]{17})

### sourceCloudProperties

Source cloud properties of the Source Server.

Type: [SourceCloudProperties](#) object

### sourceNetworkID

ID of the Source Network which is protecting this Source Server's network.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

## [sourceProperties](#)

The source properties of the Source Server.

Type: [SourceProperties](#) object

## [sourceServerID](#)

The ID of the Source Server.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

## [stagingArea](#)

The staging area of the source server.

Type: [StagingArea](#) object

## [tags](#)

The tags associated with the Source Server.

Type: String to string map

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

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

# Errors

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

## **InternalServerError**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

### **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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

# ReverseReplication

Start replication to origin / target region - applies only to protected instances that originated in EC2. For recovery instances on target region - starts replication back to origin region. For fallback instances on origin region - starts replication to target region to re-protect them.

## Request Syntax

```
POST /ReverseReplication HTTP/1.1
Content-type: application/json

{
    "recoveryInstanceID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### recoveryInstanceID

The ID of the Recovery Instance that we want to reverse the replication for.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: Yes

## Response Syntax

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

```
{  
    "reversedDirectionSourceServerArn": "string"  
}
```

## Response Elements

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

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

### [reversedDirectionSourceServerArn](#)

ARN of created SourceServer.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:[0-9a-zA-Z_-]+:){3}([0-9]{12},):source-server/(s-[0-9a-zA-Z]{17})`

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# StartFallbackLaunch

Initiates a Job for launching the machine that is being failed back to from the specified Recovery Instance. This will run conversion on the fallback client and will reboot your machine, thus completing the fallback process.

## Request Syntax

```
POST /StartFallbackLaunch HTTP/1.1
Content-type: application/json

{
  "recoveryInstanceIDs": [ "string" ],
  "tags": {
    "string": "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### recoveryInstanceIDs

The IDs of the Recovery Instance whose fallback launch we want to request.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: Yes

### tags

The tags to be associated with the fallback launch Job.

Type: String to string map

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

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

Required: No

## Response Syntax

HTTP/1.1 200  
Content-type: application/json

```
{  
  "job": {  
    "arn": "string",  
    "creationDateTime": "string",  
    "endDateTime": "string",  
    "initiatedBy": "string",  
    "jobID": "string",  
    "participatingResources": [  
      {  
        "launchStatus": "string",  
        "participatingResourceID": { ... }  
      }  
    ],  
    "participatingServers": [  
      {  
        "launchActionsStatus": {  
          "runs": [  
            {  
              "action": {  
                "actionCode": "string",  
                "actionId": "string",  
                "actionVersion": "string",  
                "active": boolean,  
                "category": "string",  
                "description": "string",  
                "name": "string",  
                "optional": boolean,  
                "order": number,  
                "parameters": {  
                  "string" : {  
                    "string": "string"  
                  }  
                }  
              }  
            }  
          ]  
        }  
      }  
    ]  
  }  
}
```

```
        "type": "string",
        "value": "string"
    }
},
"type": "string"
},
"failureReason": "string",
"runId": "string",
"status": "string"
}
],
:ssmAgentDiscoveryDatetime": "string"
},
"launchStatus": "string",
"recoveryInstanceId": "string",
"sourceServerID": "string"
}
],
"status": "string",
"tags": {
    "string" : "string"
},
"type": "string"
}
}
```

## Response Elements

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

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

### [job](#)

The failback launch Job.

Type: [Job](#) object

## Errors

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

## ConflictException

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

## InternalServerException

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

HTTP Status Code: 500

## ServiceQuotaExceededException

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

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

# StartRecovery

Launches Recovery Instances for the specified Source Servers. For each Source Server you may choose a point in time snapshot to launch from, or use an on demand snapshot.

## Request Syntax

```
POST /StartRecovery HTTP/1.1
Content-type: application/json

{
    "isDrill": boolean,
    "sourceServersrecoverySnapshotID": "string",
            "sourceServerID": "string"
        }
    ],
    "tags": {
        "string" : "string"
    }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### isDrill

Whether this Source Server Recovery operation is a drill or not.

Type: Boolean

Required: No

### sourceServers

The Source Servers that we want to start a Recovery Job for.

Type: Array of [StartRecoveryRequestSourceServer](#) objects

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Required: Yes

## [tags](#)

The tags to be associated with the Recovery Job.

Type: String to string map

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

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

Required: No

## Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "job": {
    "arn": "string",
    "creationDateTime": "string",
    "endDateTime": "string",
    "initiatedBy": "string",
    "jobID": "string",
    "participatingResources": [
      {
        "launchStatus": "string",
        "participatingResourceID": { ... }
      }
    ],
    "participatingServers": [
      {
        "launchActionsStatus": {
          "runs": [
            {
              "action": {
                "actionCode": "string",
                "actionId": "string",
                "status": "string"
              }
            }
          ]
        }
      }
    ]
  }
}
```

```
        "actionVersion": "string",
        "active": boolean,
        "category": "string",
        "description": "string",
        "name": "string",
        "optional": boolean,
        "order": number,
        "parameters": {
            "string" : {
                "type": "string",
                "value": "string"
            }
        },
        "type": "string"
    },
    "failureReason": "string",
    "runId": "string",
    "status": "string"
}
],
"ssmAgentDiscoveryDatetime": "string"
},
"launchStatus": "string",
"recoveryInstanceID": "string",
"sourceServerID": "string"
}
],
"status": "string",
"tags": {
    "string" : "string"
},
"type": "string"
}
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

### job

The Recovery Job.

Type: [Job](#) object

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ServiceQuotaExceededException**

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

- [AWS Command Line Interface](#)

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

# StartReplication

Starts replication for a stopped Source Server. This action would make the Source Server protected again and restart billing for it.

## Request Syntax

```
POST /StartReplication HTTP/1.1
Content-type: application/json

{
    "sourceServerID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceServerID

The ID of the Source Server to start replication for.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

{
    "sourceServer
```

```
"arn": "string",
"dataReplicationInfo": {
    "dataReplicationError": {
        "error": "string",
        "rawError": "string"
    },
    "dataReplicationInitiation": {
        "nextAttemptDateTime": "string",
        "startDateTime": "string",
        "steps": [
            {
                "name": "string",
                "status": "string"
            }
        ]
    },
    "dataReplicationState": "string",
    "etaDateTime": "string",
    "lagDuration": "string",
    "replicatedDisks": [
        {
            "backloggedStorageBytes": number,
            "deviceName": "string",
            "replicatedStorageBytes": number,
            "rescannedStorageBytes": number,
            "totalStorageBytes": number
        }
    ],
    "stagingAvailabilityZone": "string"
},
"lastLaunchResult": "string",
"lifeCycle": {
    "addedToServiceDateTime": "string",
    "elapsedReplicationDuration": "string",
    "firstByteDateTime": "string",
    "lastLaunch": {
        "initiated": {
            "apiCallDateTime": "string",
            "jobID": "string",
            "type": "string"
        },
        "status": "string"
    },
    "lastSeenByServiceDateTime": "string"
}
```

```
},
"recoveryInstanceId": "string",
"replicationDirection": "string",
"reversedDirectionSourceServerArn": "string",
"sourceCloudProperties": {
    "originAccountID": "string",
    "originAvailabilityZone": "string",
    "originRegion": "string"
},
"sourceNetworkID": "string",
"sourceProperties": {
    "cpus": [
        {
            "cores": number,
            "modelName": "string"
        }
    ],
    "disks": [
        {
            "bytes": number,
            "deviceName": "string"
        }
    ],
    "identificationHints": {
        "awsInstanceID": "string",
        "fqdn": "string",
        "hostname": "string",
        "vmWareUuid": "string"
    },
    "lastUpdatedDateTime": "string",
    "networkInterfaces": [
        {
            "ips": [ "string" ],
            "isPrimary": boolean,
            "macAddress": "string"
        }
    ],
    "os": {
        "fullString": "string"
    },
    "ramBytes": number,
    "recommendedInstanceType": "string",
    "supportsNitroInstances": boolean
},
```

```
"sourceServerID": "string",  
"stagingArea": {  
    "errorMessage": "string",  
    "stagingAccountID": "string",  
    "stagingSourceServerArn": "string",  
    "statusstring"  
},  
"tags": {  
    "string": "string"  
}  
}  
}
```

## Response Elements

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

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

### sourceServer

The Source Server that this action was targeted on.

Type: [SourceServer](#) object

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerError**

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

# StartSourceNetworkRecovery

Deploy VPC for the specified Source Network and modify launch templates to use this network. The VPC will be deployed using a dedicated CloudFormation stack.

## Request Syntax

```
POST /StartSourceNetworkRecovery HTTP/1.1
Content-type: application/json

{
  "deployAsNew": boolean,
  "sourceNetworks": [
    {
      "cfnStackName": "string",
      "sourceNetworkID": "string"
    }
  ],
  "tags": {
    "string": "string"
  }
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### deployAsNew

Don't update existing CloudFormation Stack, recover the network using a new stack.

Type: Boolean

Required: No

### sourceNetworks

The Source Networks that we want to start a Recovery Job for.

Type: Array of [StartSourceNetworkRecoveryRequestNetworkEntry](#) objects

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

Required: Yes

### [tags](#)

The tags to be associated with the Source Network recovery Job.

Type: String to string map

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

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

Required: No

## Response Syntax

```
HTTP/1.1 202
Content-type: application/json

{
  "job": {
    "arn": "string",
    "creationDateTime": "string",
    "endDateTime": "string",
    "initiatedBy": "string",
    "jobID": "string",
    "participatingResources": [
      {
        "launchStatus": "string",
        "participatingResourceID": { ... }
      }
    ],
    "participatingServers": [
      {
        "launchActionsStatus": {
          "runs": [
            {
              "action": {
                "actionCode": "string",
                "actionId": "string",
                "status": "string"
              }
            }
          ]
        }
      }
    ]
  }
}
```

```
        "actionVersion": "string",
        "active": boolean,
        "category": "string",
        "description": "string",
        "name": "string",
        "optional": boolean,
        "order": number,
        "parameters": {
            "string" : {
                "type": "string",
                "value": "string"
            }
        },
        "type": "string"
    },
    "failureReason": "string",
    "runId": "string",
    "status": "string"
}
],
"ssmAgentDiscoveryDatetime": "string"
},
"launchStatus": "string",
"recoveryInstanceID": "string",
"sourceServerID": "string"
}
],
"status": "string",
"tags": {
    "string" : "string"
},
"type": "string"
}
}
```

## Response Elements

If the action is successful, the service sends back an HTTP 202 response.

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

### job

The Source Network recovery Job.

Type: [Job](#) object

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ServiceQuotaExceededException**

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

# StartSourceNetworkReplication

Starts replication for a Source Network. This action would make the Source Network protected.

## Request Syntax

```
POST /StartSourceNetworkReplication HTTP/1.1
Content-type: application/json

{
    "sourceNetworkID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceNetworkID

ID of the Source Network to replicate.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

{
    "sourceNetwork
```

```
"arn": "string",
"cfnStackName": "string",
"lastRecovery": {
    "apiCallDateTime": "string",
    "jobID": "string",
    "lastRecoveryResult": "string"
},
"launchedVpcID": "string",
"replicationStatus": "string",
"replicationStatusDetails": "string",
"sourceAccountID": "string",
"sourceNetworkID": "string",
"sourceRegion": "string",
"sourceVpcID": "string",
"tags": {
    "string" : "string"
}
}
```

## Response Elements

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

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

### [sourceNetwork](#)

Source Network which was requested for replication.

Type: [SourceNetwork](#) object

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

## InternalServerException

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

# StopFallback

Stops the failback process for a specified Recovery Instance. This changes the Failback State of the Recovery Instance back to FAILBACK\_NOT\_STARTED.

## Request Syntax

```
POST /StopFallback HTTP/1.1
Content-type: application/json

{
    "recoveryInstanceID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### recoveryInstanceID

The ID of the Recovery Instance we want to stop failback for.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: Yes

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **InternalServerError**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

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

# StopReplication

Stops replication for a Source Server. This action would make the Source Server unprotected, delete its existing snapshots and stop billing for it.

## Request Syntax

```
POST /StopReplication HTTP/1.1
Content-type: application/json

{
    "sourceServerID": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceServerID

The ID of the Source Server to stop replication for.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

{
    "sourceServer": {

```

```
"arn": "string",
"dataReplicationInfo": {
    "dataReplicationError": {
        "error": "string",
        "rawError": "string"
    },
    "dataReplicationInitiation": {
        "nextAttemptDateTime": "string",
        "startDateTime": "string",
        "steps": [
            {
                "name": "string",
                "status": "string"
            }
        ]
    },
    "dataReplicationState": "string",
    "etaDateTime": "string",
    "lagDuration": "string",
    "replicatedDisks": [
        {
            "backloggedStorageBytes": number,
            "deviceName": "string",
            "replicatedStorageBytes": number,
            "rescannedStorageBytes": number,
            "totalStorageBytes": number
        }
    ],
    "stagingAvailabilityZone": "string"
},
"lastLaunchResult": "string",
"lifeCycle": {
    "addedToServiceDateTime": "string",
    "elapsedReplicationDuration": "string",
    "firstByteDateTime": "string",
    "lastLaunch": {
        "initiated": {
            "apiCallDateTime": "string",
            "jobID": "string",
            "type": "string"
        },
        "status": "string"
    },
    "lastSeenByServiceDateTime": "string"
}
```

```
},
"recoveryInstanceId": "string",
"replicationDirection": "string",
"reversedDirectionSourceServerArn": "string",
"sourceCloudProperties": {
    "originAccountID": "string",
    "originAvailabilityZone": "string",
    "originRegion": "string"
},
"sourceNetworkID": "string",
"sourceProperties": {
    "cpus": [
        {
            "cores": number,
            "modelName": "string"
        }
    ],
    "disks": [
        {
            "bytes": number,
            "deviceName": "string"
        }
    ],
    "identificationHints": {
        "awsInstanceID": "string",
        "fqdn": "string",
        "hostname": "string",
        "vmWareUuid": "string"
    },
    "lastUpdatedDateTime": "string",
    "networkInterfaces": [
        {
            "ips": [ "string" ],
            "isPrimary": boolean,
            "macAddress": "string"
        }
    ],
    "os": {
        "fullString": "string"
    },
    "ramBytes": number,
    "recommendedInstanceType": "string",
    "supportsNitroInstances": boolean
},
```

```
"sourceServerID": "string",  
"stagingArea": {  
    "errorMessage": "string",  
    "stagingAccountID": "string",  
    "stagingSourceServerArn": "string",  
    "statusstring"  
},  
"tags": {  
    "string": "string"  
}  
}  
}
```

## Response Elements

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

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

### sourceServer

The Source Server that this action was targeted on.

Type: [SourceServer](#) object

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerError**

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

# StopSourceNetworkReplication

Stops replication for a Source Network. This action would make the Source Network unprotected.

## Request Syntax

```
POST /StopSourceNetworkReplication HTTP/1.1
Content-type: application/json

{
    "sourceNetworkID
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### sourceNetworkID

ID of the Source Network to stop replication.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: Yes

## Response Syntax

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

{
    "sourceNetwork
```

```
"arn": "string",
"cfnStackName": "string",
"lastRecovery": {
    "apiCallDateTime": "string",
    "jobID": "string",
    "lastRecoveryResult": "string"
},
"launchedVpcID": "string",
"replicationStatus": "string",
"replicationStatusDetails": "string",
"sourceAccountID": "string",
"sourceNetworkID": "string",
"sourceRegion": "string",
"sourceVpcID": "string",
"tags": {
    "string" : "string"
}
}
```

## Response Elements

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

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

### [sourceNetwork](#)

Source Network which was requested to stop replication.

Type: [SourceNetwork](#) object

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

## **InternalServerException**

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

HTTP Status Code: 500

## **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

## **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

## **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## **ValidationException**

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

HTTP Status Code: 400

## **See Also**

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

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

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

# TagResource

Adds or overwrites only the specified tags for the specified Elastic Disaster Recovery resource or resources. When you specify an existing tag key, the value is overwritten with the new value. Each resource can have a maximum of 50 tags. Each tag consists of a key and optional value.

## Request Syntax

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

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

## URI Request Parameters

The request uses the following URI parameters.

### [resourceArn](#)

ARN of the resource for which tags are to be added or updated.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn: : {16,2044}

Required: Yes

## Request Body

The request accepts the following data in JSON format.

### [tags](#)

Array of tags to be added or updated.

Type: String to string map

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

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

Required: Yes

## Response Syntax

HTTP/1.1 200

## Response Elements

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

## Errors

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

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### InternalServerException

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

HTTP Status Code: 500

### ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

### ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# TerminateRecoveryInstances

Initiates a Job for terminating the EC2 resources associated with the specified Recovery Instances, and then will delete the Recovery Instances from the Elastic Disaster Recovery service.

## Request Syntax

```
POST /TerminateRecoveryInstances HTTP/1.1
Content-type: application/json

{
  "recoveryInstanceIDs
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### recoveryInstanceIDs

The IDs of the Recovery Instances that should be terminated.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 200 items.

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: Yes

## Response Syntax

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

{
```

```
"job": {
    "arn": "string",
    "creationDateTime": "string",
    "endDateTime": "string",
    "initiatedBy": "string",
    "jobID": "string",
    "participatingResources": [
        {
            "launchStatus": "string",
            "participatingResourceID": { ... }
        }
    ],
    "participatingServers": [
        {
            "launchActionsStatus": {
                "runs": [
                    {
                        "action": {
                            "actionCode": "string",
                            "actionId": "string",
                            "actionVersion": "string",
                            "active": boolean,
                            "category": "string",
                            "description": "string",
                            "name": "string",
                            "optional": boolean,
                            "order": number,
                            "parameters": {
                                "string" : {
                                    "type": "string",
                                    "value": "string"
                                }
                            },
                            "type": "string"
                        },
                        "failureReason": "string",
                        "runId": "string",
                        "status": "string"
                    }
                ],
                "ssmAgentDiscoveryDatetime": "string"
            },
            "launchStatus": "string",
            "recoveryInstanceID": "string",
            ...
        }
    ]
}
```

```
        "sourceServerID": "string"
    }
],
"status": "string",
"tags": {
    "string" : "string"
},
"type": "string"
}
}
```

## Response Elements

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

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

### [job](#)

The Job for terminating the Recovery Instances.

Type: [Job](#) object

## Errors

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

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ServiceQuotaExceededException**

The request could not be completed because its exceeded the service quota.

HTTP Status Code: 402

### ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

### UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## See Also

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

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

# UntagResource

Deletes the specified set of tags from the specified set of Elastic Disaster Recovery resources.

## Request Syntax

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

## URI Request Parameters

The request uses the following URI parameters.

### resourceArn

ARN of the resource for which tags are to be removed.

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn: :.{16,2044}

Required: Yes

### tagKeys

Array of tags to be removed.

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

Required: Yes

## Request Body

The request does not have a request body.

## Response Syntax

```
HTTP/1.1 200
```

## Response Elements

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

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **ValidationException**

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

HTTP Status Code: 400

## See Also

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

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

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

# UpdateFallbackReplicationConfiguration

Allows you to update the fallback replication configuration of a Recovery Instance by ID.

## Request Syntax

```
POST /UpdateFallbackReplicationConfiguration HTTP/1.1
Content-type: application/json

{
  "bandwidthThrottling": number,
  "name": "string",
  "recoveryInstanceID": "string",
  "usePrivateIP": boolean
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### bandwidthThrottling

Configure bandwidth throttling for the outbound data transfer rate of the Recovery Instance in Mbps.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### name

The name of the Fallback Replication Configuration.

Type: String

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

Required: No

### recoveryInstanceID

The ID of the Recovery Instance.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: Yes

### usePrivateIP

Whether to use Private IP for the failback replication of the Recovery Instance.

Type: Boolean

Required: No

## Response Syntax

HTTP/1.1 200

## Response Elements

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

## Errors

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

### AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### InternalServerError

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

### **UninitializedAccountException**

The account performing the request has not been initialized.

HTTP Status Code: 400

## **See Also**

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

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

# UpdateLaunchConfiguration

Updates a LaunchConfiguration by Source Server ID.

## Request Syntax

```
POST /UpdateLaunchConfiguration HTTP/1.1
Content-type: application/json

{
    "copyPrivateIp": boolean,
    "copyTags": boolean,
    "launchDisposition": "string",
    "launchIntoInstanceProperties": {
        "launchIntoEC2InstanceID": "string"
    },
    "licensing": {
        "osByol": boolean
    },
    "name": "string",
    "postLaunchEnabled": boolean,
    "sourceServerID": "string",
    "targetInstanceTypeRightSizingMethod": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### copyPrivateIp

Whether we should copy the Private IP of the Source Server to the Recovery Instance.

Type: Boolean

Required: No

## copyTags

Whether we want to copy the tags of the Source Server to the EC2 machine of the Recovery Instance.

Type: Boolean

Required: No

## launchDisposition

The state of the Recovery Instance in EC2 after the recovery operation.

Type: String

Valid Values: STOPPED | STARTED

Required: No

## launchIntoInstanceProperties

Launch into existing instance properties.

Type: [LaunchIntoInstanceProperties](#) object

Required: No

## licensing

The licensing configuration to be used for this launch configuration.

Type: [Licensing](#) object

Required: No

## name

The name of the launch configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Required: No

## postLaunchEnabled

Whether we want to enable post-launch actions for the Source Server.

Type: Boolean

Required: No

### [sourceServerID](#)

The ID of the Source Server that we want to retrieve a Launch Configuration for.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

### [targetInstanceTypeRightSizingMethod](#)

Whether Elastic Disaster Recovery should try to automatically choose the instance type that best matches the OS, CPU, and RAM of your Source Server.

Type: String

Valid Values: NONE | BASIC | IN\_AWS

Required: No

## Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{  
    "copyPrivateIp": boolean,  
    "copyTags": boolean,  
    "ec2LaunchTemplateID": string,  
    "launchDisposition": string,  
    "launchIntoInstanceProperties": {  
        "launchIntoEC2InstanceID": string  
    },  
    "licensing": {  
        "osByol": boolean  
    },  
}
```

```
"name": "string",
"postLaunchEnabled": boolean,
"sourceServerID": "string",
"targetInstanceTypeRightSizingMethod": "string"
}
```

## Response Elements

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

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

### [copyPrivateIp](#)

Whether we should copy the Private IP of the Source Server to the Recovery Instance.

Type: Boolean

### [copyTags](#)

Whether we want to copy the tags of the Source Server to the EC2 machine of the Recovery Instance.

Type: Boolean

### [ec2LaunchTemplateID](#)

The EC2 launch template ID of this launch configuration.

Type: String

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

### [launchDisposition](#)

The state of the Recovery Instance in EC2 after the recovery operation.

Type: String

Valid Values: STOPPED | STARTED

### [launchIntoInstanceProperties](#)

Launch into existing instance properties.

Type: [LaunchIntlInstanceProperties](#) object

## licensing

The licensing configuration to be used for this launch configuration.

Type: [Licensing](#) object

## name

The name of the launch configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

## postLaunchEnabled

Whether we want to activate post-launch actions for the Source Server.

Type: Boolean

## sourceServerID

The ID of the Source Server for this launch configuration.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

## targetInstanceTypeRightSizingMethod

Whether Elastic Disaster Recovery should try to automatically choose the instance type that best matches the OS, CPU, and RAM of your Source Server.

Type: String

Valid Values: NONE | BASIC | IN\_AWS

## Errors

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

## ConflictException

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

## InternalServerException

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

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

# UpdateLaunchConfigurationTemplate

Updates an existing Launch Configuration Template by ID.

## Request Syntax

```
POST /UpdateLaunchConfigurationTemplate HTTP/1.1
Content-type: application/json
```

```
{
  "copyPrivateIp": boolean,
  "copyTags": boolean,
  "exportBucketArn": "string",
  "launchConfigurationTemplateID": "string",
  "launchDisposition": "string",
  "launchIntoSourceInstance": boolean,
  "licensing": {
    "osByol": boolean
  },
  "postLaunchEnabled": boolean,
  "targetInstanceTypeRightSizingMethod": "string"
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### copyPrivateIp

Copy private IP.

Type: Boolean

Required: No

### copyTags

Copy tags.

Type: Boolean

Required: No

### [exportBucketArn](#)

S3 bucket ARN to export Source Network templates.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn: . {16, 2044}

Required: No

### [launchConfigurationTemplateID](#)

Launch Configuration Template ID.

Type: String

Length Constraints: Fixed length of 21.

Pattern: lct-[0-9a-zA-Z]{17}

Required: Yes

### [launchDisposition](#)

Launch disposition.

Type: String

Valid Values: STOPPED | STARTED

Required: No

### [launchIntoSourceInstance](#)

DRS will set the 'launch into instance ID' of any source server when performing a drill, recovery or fallback to the previous region or availability zone, using the instance ID of the source instance.

Type: Boolean

Required: No

## [licensing](#)

Licensing.

Type: [Licensing](#) object

Required: No

## [postLaunchEnabled](#)

Whether we want to activate post-launch actions.

Type: Boolean

Required: No

## [targetInstanceTypeRightSizingMethod](#)

Target instance type right-sizing method.

Type: String

Valid Values: NONE | BASIC | IN\_AWS

Required: No

## Response Syntax

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

{
  "launchConfigurationTemplate": {
    "arn": "string",
    "copyPrivateIp": boolean,
    "copyTags": boolean,
    "exportBucketArn": "string",
    "launchConfigurationTemplateID": "string",
    "launchDisposition": "string",
    "launchIntoSourceInstance": boolean,
    "licensing": {
      "osByol": boolean
    },
    "postLaunchEnabled": boolean,
  }
}
```

```
"tags": {  
    "string" : "string"  
},  
"targetInstanceTypeRightSizingMethod": "string"  
}  
}
```

## Response Elements

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

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

### [launchConfigurationTemplate](#)

Updated Launch Configuration Template.

Type: [LaunchConfigurationTemplate](#) object

## Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **InternalServerError**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# UpdateReplicationConfiguration

Allows you to update a ReplicationConfiguration by Source Server ID.

## Request Syntax

```
POST /UpdateReplicationConfiguration HTTP/1.1
Content-type: application/json

{
    "associateDefaultSecurityGroup": boolean,
    "autoReplicateNewDisks": boolean,
    "bandwidthThrottling": number,
    "createPublicIP": boolean,
    "dataPlaneRouting": "string",
    "defaultLargeStagingDiskType": "string",
    "ebsEncryption": "string",
    "ebsEncryptionKeyArn": "string",
    "name": "string",
    "pitPolicy": [
        {
            "enabled": boolean,
            "interval": number,
            "retentionDuration": number,
            "ruleID": number,
            "units": "string"
        }
    ],
    "replicatedDisks": [
        {
            "deviceName": "string",
            "iops": number,
            "isBootDisk": boolean,
            "optimizedStagingDiskType": "string",
            "stagingDiskType": "string",
            "throughput": number
        }
    ],
    "replicationServerInstanceType": "string",
    "replicationServersSecurityGroupsIDs": [ "string" ],
    "sourceServerID": "string",
    "stagingAreaSubnetId": "string",
    "stagingAreaTags": {
```

```
    "string" : "string"
},
"useDedicatedReplicationServer": boolean
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### associateDefaultSecurityGroup

Whether to associate the default Elastic Disaster Recovery Security group with the Replication Configuration.

Type: Boolean

Required: No

### autoReplicateNewDisks

Whether to allow the AWS replication agent to automatically replicate newly added disks.

Type: Boolean

Required: No

### bandwidthThrottling

Configure bandwidth throttling for the outbound data transfer rate of the Source Server in Mbps.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### createPublicIP

Whether to create a Public IP for the Recovery Instance by default.

Type: Boolean

Required: No

### [dataPlaneRouting](#)

The data plane routing mechanism that will be used for replication.

Type: String

Valid Values: PRIVATE\_IP | PUBLIC\_IP

Required: No

### [defaultLargeStagingDiskType](#)

The Staging Disk EBS volume type to be used during replication.

Type: String

Valid Values: GP2 | GP3 | ST1 | AUTO

Required: No

### [ebsEncryption](#)

The type of EBS encryption to be used during replication.

Type: String

Valid Values: DEFAULT | CUSTOM | NONE

Required: No

### [ebsEncryptionKeyArn](#)

The ARN of the EBS encryption key to be used during replication.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:.{16,2044}

Required: No

## [name](#)

The name of the Replication Configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Required: No

## [pitPolicy](#)

The Point in time (PIT) policy to manage snapshots taken during replication.

Type: Array of [PITPolicyRule](#) objects

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

Required: No

## [replicatedDisks](#)

The configuration of the disks of the Source Server to be replicated.

Type: Array of [ReplicationConfigurationReplicatedDisk](#) objects

Array Members: Minimum number of 0 items. Maximum number of 60 items.

Required: No

## [replicationServerInstanceType](#)

The instance type to be used for the replication server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

## [replicationServersSecurityGroupsIDs](#)

The security group IDs that will be used by the replication server.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: sg-[0-9a-fA-F]{8,}

Required: No

### sourceServerID

The ID of the Source Server for this Replication Configuration.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

### stagingAreaSubnetId

The subnet to be used by the replication staging area.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: subnet-[0-9a-fA-F]{8,}

Required: No

### stagingAreaTags

A set of tags to be associated with all resources created in the replication staging area: EC2 replication server, EBS volumes, EBS snapshots, etc.

Type: String to string map

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

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

Required: No

## [useDedicatedReplicationServer](#)

Whether to use a dedicated Replication Server in the replication staging area.

Type: Boolean

Required: No

## Response Syntax

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

{
    "associateDefaultSecurityGroup": boolean,
    "autoReplicateNewDisks": boolean,
    "bandwidthThrottling": number,
    "createPublicIP": boolean,
    "dataPlaneRouting": "string",
    "defaultLargeStagingDiskType": "string",
    "ebsEncryption": "string",
    "ebsEncryptionKeyArn": "string",
    "name": "string",
    "pitPolicy": [
        {
            "enabled": boolean,
            "interval": number,
            "retentionDuration": number,
            "ruleID": number,
            "units": "string"
        }
    ],
    "replicatedDisks": [
        {
            "deviceName": "string",
            "iops": number,
            "isBootDisk": boolean,
            "optimizedStagingDiskType": "string",
            "stagingDiskType": "string",
            "throughput": number
        }
    ],
    "replicationServerInstanceType": "string",
}
```

```
"replicationServersSecurityGroupsIDs": [ "string" ],  
"sourceServerIDstring",  
"stagingAreaSubnetId": "string",  
"stagingAreaTags": {  
    "string": "string"  
},  
"useDedicatedReplicationServer": boolean  
}
```

## Response Elements

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

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

### associateDefaultSecurityGroup

Whether to associate the default Elastic Disaster Recovery Security group with the Replication Configuration.

Type: Boolean

### autoReplicateNewDisks

Whether to allow the AWS replication agent to automatically replicate newly added disks.

Type: Boolean

### bandwidthThrottling

Configure bandwidth throttling for the outbound data transfer rate of the Source Server in Mbps.

Type: Long

Valid Range: Minimum value of 0.

### createPublicIP

Whether to create a Public IP for the Recovery Instance by default.

Type: Boolean

### dataPlaneRouting

The data plane routing mechanism that will be used for replication.

Type: String

Valid Values: PRIVATE\_IP | PUBLIC\_IP

### [defaultLargeStagingDiskType](#)

The Staging Disk EBS volume type to be used during replication.

Type: String

Valid Values: GP2 | GP3 | ST1 | AUTO

### [ebsEncryption](#)

The type of EBS encryption to be used during replication.

Type: String

Valid Values: DEFAULT | CUSTOM | NONE

### [ebsEncryptionKeyArn](#)

The ARN of the EBS encryption key to be used during replication.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:.{16,2044}

### [name](#)

The name of the Replication Configuration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

### [pitPolicy](#)

The Point in time (PIT) policy to manage snapshots taken during replication.

Type: Array of [PITPolicyRule](#) objects

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

## replicatedDisks

The configuration of the disks of the Source Server to be replicated.

Type: Array of [ReplicationConfigurationReplicatedDisk](#) objects

Array Members: Minimum number of 0 items. Maximum number of 60 items.

## replicationServerInstanceType

The instance type to be used for the replication server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

## replicationServersSecurityGroupsIDs

The security group IDs that will be used by the replication server.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: sg-[0-9a-fA-F]{8,}

## sourceServerID

The ID of the Source Server for this Replication Configuration.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

## stagingAreaSubnetId

The subnet to be used by the replication staging area.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: subnet-[0-9a-fA-F]{8,}

## stagingAreaTags

A set of tags to be associated with all resources created in the replication staging area: EC2 replication server, EBS volumes, EBS snapshots, etc.

Type: String to string map

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

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

## useDedicatedReplicationServer

Whether to use a dedicated Replication Server in the replication staging area.

Type: Boolean

# Errors

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

### **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

### **ConflictException**

The request could not be completed due to a conflict with the current state of the target resource.

HTTP Status Code: 409

### **InternalServerException**

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

HTTP Status Code: 500

### **ResourceNotFoundException**

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

# UpdateReplicationConfigurationTemplate

Updates a ReplicationConfigurationTemplate by ID.

## Request Syntax

```
POST /UpdateReplicationConfigurationTemplate HTTP/1.1
Content-type: application/json

{
    "arn": "string",
    "associateDefaultSecurityGroup": boolean,
    "autoReplicateNewDisks": boolean,
    "bandwidthThrottling": number,
    "createPublicIP": boolean,
    "dataPlaneRouting": "string",
    "defaultLargeStagingDiskType": "string",
    "ebsEncryption": "string",
    "ebsEncryptionKeyArn": "string",
    "pitPolicy": [
        {
            "enabled": boolean,
            "interval": number,
            "retentionDuration": number,
            "ruleID": number,
            "units": "string"
        }
    ],
    "replicationConfigurationTemplateID": "string",
    "replicationServerInstanceType": "string",
    "replicationServersSecurityGroupsIDs": [ "string" ],
    "stagingAreaSubnetId": "string",
    "stagingAreaTags": {
        "string" : "string"
    },
    "useDedicatedReplicationServer": boolean
}
```

## URI Request Parameters

The request does not use any URI parameters.

## Request Body

The request accepts the following data in JSON format.

### arn

The Replication Configuration Template ARN.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn: .{16,2044}`

Required: No

### associateDefaultSecurityGroup

Whether to associate the default Elastic Disaster Recovery Security group with the Replication Configuration Template.

Type: Boolean

Required: No

### autoReplicateNewDisks

Whether to allow the AWS replication agent to automatically replicate newly added disks.

Type: Boolean

Required: No

### bandwidthThrottling

Configure bandwidth throttling for the outbound data transfer rate of the Source Server in Mbps.

Type: Long

Valid Range: Minimum value of 0.

Required: No

## [createPublicIP](#)

Whether to create a Public IP for the Recovery Instance by default.

Type: Boolean

Required: No

## [dataPlaneRouting](#)

The data plane routing mechanism that will be used for replication.

Type: String

Valid Values: PRIVATE\_IP | PUBLIC\_IP

Required: No

## [defaultLargeStagingDiskType](#)

The Staging Disk EBS volume type to be used during replication.

Type: String

Valid Values: GP2 | GP3 | ST1 | AUTO

Required: No

## [ebsEncryption](#)

The type of EBS encryption to be used during replication.

Type: String

Valid Values: DEFAULT | CUSTOM | NONE

Required: No

## [ebsEncryptionKeyArn](#)

The ARN of the EBS encryption key to be used during replication.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:.{16,2044}`

Required: No

### [pitPolicy](#)

The Point in time (PIT) policy to manage snapshots taken during replication.

Type: Array of [PITPolicyRule](#) objects

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

Required: No

### [replicationConfigurationTemplateID](#)

The Replication Configuration Template ID.

Type: String

Length Constraints: Fixed length of 21.

Pattern: `rct-[0-9a-zA-Z]{17}`

Required: Yes

### [replicationServerInstanceType](#)

The instance type to be used for the replication server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

### [replicationServersSecurityGroupsIDs](#)

The security group IDs that will be used by the replication server.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `sg-[0-9a-fA-F]{8,}`

Required: No

### [stagingAreaSubnetId](#)

The subnet to be used by the replication staging area.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: subnet-[0-9a-fA-F]{8,}

Required: No

### [stagingAreaTags](#)

A set of tags to be associated with all resources created in the replication staging area: EC2 replication server, EBS volumes, EBS snapshots, etc.

Type: String to string map

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

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

Required: No

### [useDedicatedReplicationServer](#)

Whether to use a dedicated Replication Server in the replication staging area.

Type: Boolean

Required: No

## Response Syntax

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

{
  "arnassociateDefaultSecurityGroupautoReplicateNewDisks
```

```
"bandwidthThrottling": number,
"createPublicIP": boolean,
"dataPlaneRouting": "string",
"defaultLargeStagingDiskType": "string",
"ebsEncryption": "string",
"ebsEncryptionKeyArn": "string",
"pitPolicy": [
  {
    "enabled": boolean,
    "interval": number,
    "retentionDuration": number,
    "ruleID": number,
    "units": "string"
  }
],
"replicationConfigurationTemplateID": "string",
"replicationServerInstanceType": "string",
"replicationServersSecurityGroupsIDs": [ "string" ],
"stagingAreaSubnetId": "string",
"stagingAreaTags": {
  "string" : "string"
},
"tags": {
  "string" : "string"
},
"useDedicatedReplicationServer": boolean
}
```

## Response Elements

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

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

### arn

The Replication Configuration Template ARN.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:.{16,2044}

## [associateDefaultSecurityGroup](#)

Whether to associate the default Elastic Disaster Recovery Security group with the Replication Configuration Template.

Type: Boolean

## [autoReplicateNewDisks](#)

Whether to allow the AWS replication agent to automatically replicate newly added disks.

Type: Boolean

## [bandwidthThrottling](#)

Configure bandwidth throttling for the outbound data transfer rate of the Source Server in Mbps.

Type: Long

Valid Range: Minimum value of 0.

## [createPublicIP](#)

Whether to create a Public IP for the Recovery Instance by default.

Type: Boolean

## [dataPlaneRouting](#)

The data plane routing mechanism that will be used for replication.

Type: String

Valid Values: PRIVATE\_IP | PUBLIC\_IP

## [defaultLargeStagingDiskType](#)

The Staging Disk EBS volume type to be used during replication.

Type: String

Valid Values: GP2 | GP3 | ST1 | AUTO

## [ebsEncryption](#)

The type of EBS encryption to be used during replication.

Type: String

Valid Values: DEFAULT | CUSTOM | NONE

### [ebsEncryptionKeyArn](#)

The ARN of the EBS encryption key to be used during replication.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:.{16,2044}`

### [pitPolicy](#)

The Point in time (PIT) policy to manage snapshots taken during replication.

Type: Array of [PITPolicyRule](#) objects

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

### [replicationConfigurationTemplateID](#)

The Replication Configuration Template ID.

Type: String

Length Constraints: Fixed length of 21.

Pattern: `rct-[0-9a-zA-Z]{17}`

### [replicationServerInstanceType](#)

The instance type to be used for the replication server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

### [replicationServersSecurityGroupsIDs](#)

The security group IDs that will be used by the replication server.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: sg-[0-9a-fA-F]{8,}

### stagingAreaSubnetId

The subnet to be used by the replication staging area.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: subnet-[0-9a-fA-F]{8,}

### stagingAreaTags

A set of tags to be associated with all resources created in the replication staging area: EC2 replication server, EBS volumes, EBS snapshots, etc.

Type: String to string map

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

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

### tags

A set of tags to be associated with the Replication Configuration Template resource.

Type: String to string map

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

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

### useDedicatedReplicationServer

Whether to use a dedicated Replication Server in the replication staging area.

Type: Boolean

## Errors

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

## AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## InternalServerException

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

HTTP Status Code: 500

## ResourceNotFoundException

The resource for this operation was not found.

HTTP Status Code: 404

## ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 429

## UninitializedAccountException

The account performing the request has not been initialized.

HTTP Status Code: 400

## ValidationException

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

HTTP Status Code: 400

## See Also

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

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

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

# Data Types

The Elastic Disaster Recovery Service API contains several data types that various actions use. This section describes each data type in detail.

 **Note**

The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- [Account](#)
- [ConversionProperties](#)
- [CPU](#)
- [DataReplicationError](#)
- [DataReplicationInfo](#)
- [DataReplicationInfoReplicatedDisk](#)
- [DataReplicationInitiation](#)
- [DataReplicationInitiationStep](#)
- [DescribeJobsRequestFilters](#)
- [DescribeRecoveryInstancesRequestFilters](#)
- [DescribeRecoverySnapshotsRequestFilters](#)
- [DescribeSourceNetworksRequestFilters](#)
- [DescribeSourceServersRequestFilters](#)
- [Disk](#)
- [EventResourceData](#)
- [IdentificationHints](#)
- [Job](#)
- [JobLog](#)
- [JobLogEventData](#)
- [LaunchAction](#)

- [LaunchActionParameter](#)
- [LaunchActionRun](#)
- [LaunchActionsRequestFilters](#)
- [LaunchActionsStatus](#)
- [LaunchConfigurationTemplate](#)
- [LaunchIntoInstanceProperties](#)
- [Licensing](#)
- [LifeCycle](#)
- [LifeCycleLastLaunch](#)
- [LifeCycleLastLaunchInitiated](#)
- [NetworkInterface](#)
- [OS](#)
- [ParticipatingResource](#)
- [ParticipatingResourceID](#)
- [ParticipatingServer](#)
- [PITPolicyRule](#)
- [RecoveryInstance](#)
- [RecoveryInstanceDataReplicationError](#)
- [RecoveryInstanceDataReplicationInfo](#)
- [RecoveryInstanceDataReplicationInfoReplicatedDisk](#)
- [RecoveryInstanceDataReplicationInitiation](#)
- [RecoveryInstanceDataReplicationInitiationStep](#)
- [RecoveryInstanceDisk](#)
- [RecoveryInstanceFallback](#)
- [RecoveryInstanceProperties](#)
- [RecoveryLifeCycle](#)
- [RecoverySnapshot](#)
- [ReplicationConfigurationReplicatedDisk](#)
- [ReplicationConfigurationTemplate](#)
- [SourceCloudProperties](#)

- [SourceNetwork](#)
- [SourceNetworkData](#)
- [SourceProperties](#)
- [SourceServer](#)
- [StagingArea](#)
- [StagingSourceServer](#)
- [StartRecoveryRequestSourceServer](#)
- [StartSourceNetworkRecoveryRequestNetworkEntry](#)
- [ValidationExceptionField](#)

# Account

AWS account.

## Contents

### accountID

Account ID of AWS account.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `.*[0-9]{12,}.*`

Required: No

## See Also

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

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

# ConversionProperties

Properties of a conversion job

## Contents

### **dataTimestamp**

The timestamp of when the snapshot being converted was taken

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

### **forceUefi**

Whether the volume being converted uses UEFI or not

Type: Boolean

Required: No

### **rootVolumeName**

The root volume name of a conversion job

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

### **volumeToConversionMap**

A mapping between the volumes being converted and the converted snapshot ids

Type: String to string to string map map

Key Length Constraints: Minimum length of 0. Maximum length of 65536.

Key Pattern: snap-[0-9a-zA-Z]{17}

Value Pattern: snap-[0-9a-zA-Z]{17}

Required: No

### **volumeToVolumeSize**

A mapping between the volumes and their sizes

Type: String to long map

Key Length Constraints: Minimum length of 0. Maximum length of 65536.

Valid Range: Minimum value of 0.

Required: No

## **See Also**

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

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

# CPU

Information about a server's CPU.

## Contents

### **cores**

The number of CPU cores.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### **modelName**

The model name of the CPU.

Type: String

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

Required: No

## See Also

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

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

# DataReplicationError

Error in data replication.

## Contents

### error

Error in data replication.

Type: String

Valid Values: AGENT\_NOT\_SEEN | SNAPSHOT\_FAILURE | NOT\_CONVERGING | UNSTABLE\_NETWORK | FAILED\_TO\_CREATE\_SECURITY\_GROUP | FAILED\_TO\_LAUNCH\_REPLICATION\_SERVER | FAILED\_TO\_BOOT\_REPLICATION\_SERVER | FAILED\_TO\_AUTHENTICATE\_WITH\_SERVICE | FAILED\_TO\_DOWNLOAD\_REPLICATION\_SOFTWARE | FAILED\_TO\_CREATE\_STAGING\_DISKS | FAILED\_TO\_ATTACH\_STAGING\_DISKS | FAILED\_TO\_PAIR\_REPLICATION\_SERVER\_WITH\_AGENT | FAILED\_TO\_CONNECT\_AGENT\_TO\_REPLICATION\_SERVER | FAILED\_TO\_START\_DATA\_TRANSFER

Required: No

### rawError

Error in data replication.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

## See Also

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

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

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

# DataReplicationInfo

Information about Data Replication

## Contents

### **dataReplicationError**

Error in data replication.

Type: [DataReplicationError](#) object

Required: No

### **dataReplicationInitiation**

Information about whether the data replication has been initiated.

Type: [DataReplicationInitiation](#) object

Required: No

### **dataReplicationState**

The state of the data replication.

Type: String

Valid Values: STOPPED | INITIATING | INITIAL\_SYNC | BACKLOG | CREATING\_SNAPSHOT | CONTINUOUS | PAUSED | RESCAN | STALLED | DISCONNECTED

Required: No

### **etaDateTime**

An estimate of when the data replication will be completed.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

## lagDuration

Data replication lag duration.

Type: String

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

Required: No

## replicatedDisks

The disks that should be replicated.

Type: Array of [DataReplicationInfoReplicatedDisk](#) objects

Array Members: Minimum number of 0 items. Maximum number of 60 items.

Required: No

## stagingAvailabilityZone

AWS Availability zone into which data is being replicated.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: (us(-gov)?|ap|ca|cn|eu|sa|af|me|il)-(central|north|(north(?:east|west))|south|south(?:east|west)|east|west)-[0-9][a-z]

Required: No

## See Also

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

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



# DataReplicationInfoReplicatedDisk

A disk that should be replicated.

## Contents

### backloggedStorageBytes

The size of the replication backlog in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### deviceName

The name of the device.

Type: String

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

Required: No

### replicatedStorageBytes

The amount of data replicated so far in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### rescannedStorageBytes

The amount of data to be rescanned in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

## totalStorageBytes

The total amount of data to be replicated in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

## See Also

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

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

# DataReplicationInitiation

Data replication initiation.

## Contents

### nextAttemptDateTime

The date and time of the next attempt to initiate data replication.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### startDateTime

The date and time of the current attempt to initiate data replication.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### steps

The steps of the current attempt to initiate data replication.

Type: Array of [DataReplicationInitiationStep](#) objects

Required: No

## See Also

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

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

# DataReplicationInitiationStep

Data replication initiation step.

## Contents

### **name**

The name of the step.

Type: String

Valid Values: WAIT | CREATE\_SECURITY\_GROUP | LAUNCH\_REPLICATION\_SERVER | BOOT\_REPLICATION\_SERVER | AUTHENTICATE\_WITH\_SERVICE | DOWNLOAD\_REPLICATION\_SOFTWARE | CREATE\_STAGING\_DISKS | ATTACH\_STAGING\_DISKS | PAIR\_REPLICATION\_SERVER\_WITH\_AGENT | CONNECT\_AGENT\_TO\_REPLICATION\_SERVER | START\_DATA\_TRANSFER

Required: No

### **status**

The status of the step.

Type: String

Valid Values: NOT\_STARTED | IN\_PROGRESS | SUCCEEDED | FAILED | SKIPPED

Required: No

## See Also

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

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

# DescribeJobsRequestFilters

A set of filters by which to return Jobs.

## Contents

### fromDate

The start date in a date range query.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### jobIDs

An array of Job IDs that should be returned. An empty array means all jobs.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Length Constraints: Fixed length of 24.

Pattern: drsjob-[0-9a-zA-Z]{17}

Required: No

### toDate

The end date in a date range query.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

## See Also

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

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

# DescribeRecoveryInstancesRequestFilters

A set of filters by which to return Recovery Instances.

## Contents

### recoveryInstanceIDs

An array of Recovery Instance IDs that should be returned. An empty array means all Recovery Instances.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: No

### sourceServerIDs

An array of Source Server IDs for which associated Recovery Instances should be returned.

Type: Array of strings

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: No

## See Also

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

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



# DescribeRecoverySnapshotsRequestFilters

A set of filters by which to return Recovery Snapshots.

## Contents

### fromDateTime

The start date in a date range query.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### toDateTime

The end date in a date range query.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

## See Also

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

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

# DescribeSourceNetworksRequestFilters

A set of filters by which to return Source Networks.

## Contents

### **originAccountID**

Filter Source Networks by account ID containing the protected VPCs.

Type: String

Length Constraints: Fixed length of 12.

Pattern: .\*[0-9]{12,}.\*

Required: No

### **originRegion**

Filter Source Networks by the region containing the protected VPCs.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: (us(-gov)?|ap|ca|cn|eu|sa|af|me|il)-(central|north|(north(?:east|west))|south|south(?:east|west)|east|west)-[0-9]

Required: No

### **sourceNetworkIDs**

An array of Source Network IDs that should be returned. An empty array means all Source Networks.

Type: Array of strings

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

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: No

## See Also

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

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

# DescribeSourceServersRequestFilters

A set of filters by which to return Source Servers.

## Contents

### hardwareId

An ID that describes the hardware of the Source Server. This is either an EC2 instance id, a VMware uuid or a mac address.

Type: String

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

Required: No

### sourceServerIDs

An array of Source Servers IDs that should be returned. An empty array means all Source Servers.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: No

### stagingAccountIDs

An array of staging account IDs that extended source servers belong to. An empty array means all source servers will be shown.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 200 items.

Length Constraints: Fixed length of 12.

Pattern: .\*[0-9]{12,}.\*

Required: No

## See Also

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

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

# Disk

An object representing a data storage device on a server.

## Contents

### bytes

The amount of storage on the disk in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### deviceName

The disk or device name.

Type: String

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

Required: No

## See Also

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

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

# EventResourceData

Properties of resource related to a job event.

## Contents

### Important

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

### sourceNetworkData

Source Network properties.

Type: [SourceNetworkData](#) object

Required: No

## See Also

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

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

# IdentificationHints

Hints used to uniquely identify a machine.

## Contents

### **awsInstanceID**

AWS Instance ID identification hint.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `i-[0-9a-fA-F]{8,}`

Required: No

### **fqdn**

Fully Qualified Domain Name identification hint.

Type: String

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

Required: No

### **hostname**

Hostname identification hint.

Type: String

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

Required: No

### **vmWareUuid**

vCenter VM path identification hint.

Type: String

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

Required: No

## See Also

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

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

# Job

A job is an asynchronous workflow.

## Contents

### **jobID**

The ID of the Job.

Type: String

Length Constraints: Fixed length of 24.

Pattern: drsjob-[0-9a-zA-Z]{17}

Required: Yes

### **arn**

The ARN of a Job.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:.{16,2044}

Required: No

### **creationDateTime**

The date and time of when the Job was created.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **endDateTime**

The date and time of when the Job ended.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **initiatedBy**

A string representing who initiated the Job.

Type: String

Valid Values: START\_RECOVERY | START\_DRILL | FAILBACK | DIAGNOSTIC | TERMINATE\_RECOVERY\_INSTANCES | TARGET\_ACCOUNT | CREATE\_NETWORK\_RECOVERY | UPDATE\_NETWORK\_RECOVERY | ASSOCIATE\_NETWORK\_RECOVERY

Required: No

### **participatingResources**

A list of resources that the Job is acting upon.

Type: Array of [ParticipatingResource](#) objects

Required: No

### **participatingServers**

A list of servers that the Job is acting upon.

Type: Array of [ParticipatingServer](#) objects

Required: No

### **status**

The status of the Job.

Type: String

Valid Values: PENDING | STARTED | COMPLETED

Required: No

## tags

A list of tags associated with the Job.

Type: String to string map

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

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

Required: No

## type

The type of the Job.

Type: String

Valid Values: LAUNCH | TERMINATE | CREATE\_CONVERTED\_SNAPSHOT

Required: No

## See Also

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

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

# JobLog

A log outputted by a Job.

## Contents

### event

The event represents the type of a log.

Type: String

Valid Values: JOB\_START | SERVER\_SKIPPED | CLEANUP\_START | CLEANUP\_END  
| CLEANUP\_FAIL | SNAPSHOT\_START | SNAPSHOT\_END | SNAPSHOT\_FAIL  
| USING\_PREVIOUS\_SNAPSHOT | USING\_PREVIOUS\_SNAPSHOT\_FAILED  
| CONVERSION\_START | CONVERSION\_END | CONVERSION\_FAIL  
| LAUNCH\_START | LAUNCH\_FAILED | JOB\_CANCEL | JOB\_END |  
DEPLOY\_NETWORK\_CONFIGURATION\_START | DEPLOY\_NETWORK\_CONFIGURATION\_END |  
DEPLOY\_NETWORK\_CONFIGURATION\_FAILED | UPDATE\_NETWORK\_CONFIGURATION\_START  
| UPDATE\_NETWORK\_CONFIGURATION\_END | UPDATE\_NETWORK\_CONFIGURATION\_FAILED  
| UPDATE\_LAUNCH\_TEMPLATE\_START | UPDATE\_LAUNCH\_TEMPLATE\_END |  
UPDATE\_LAUNCH\_TEMPLATE\_FAILED | NETWORK\_RECOVERY\_FAIL

Required: No

### eventData

Metadata associated with a Job log.

Type: [JobLogEventData](#) object

Required: No

### logDateTime

The date and time the log was taken.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

## See Also

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

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

# JobLogEventData

Metadata associated with a Job log.

## Contents

### **conversionProperties**

Properties of a conversion job

Type: [ConversionProperties](#) object

Required: No

### **conversionServerID**

The ID of a conversion server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `i-[0-9a-fA-F]{8,}`

Required: No

### **eventResourceData**

Properties of resource related to a job event.

Type: [EventResourceData](#) object

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

Required: No

### **rawError**

A string representing a job error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

## sourceServerID

The ID of a Source Server.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: No

## targetInstanceId

The ID of a Recovery Instance.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: i-[0-9a-fA-F]{8,}

Required: No

## See Also

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

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

# LaunchAction

Launch action.

## Contents

### **actionCode**

Launch action code.

Type: String

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

Pattern: ([A-Za-z0-9-/:])+

Required: No

### **actionId**

Launch action Id.

Type: String

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

Pattern: [0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}

Required: No

### **actionVersion**

Launch action version.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 10.

Pattern: (\\$DEFAULT|\\$LATEST|[0-9]+)

Required: No

### **active**

Whether the launch action is active.

Type: Boolean

Required: No

### **category**

Launch action category.

Type: String

Valid Values: MONITORING | VALIDATION | CONFIGURATION | SECURITY | OTHER

Required: No

### **description**

Launch action description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1024.

Pattern: [0-9a-zA-Z ():/.,'-\_#\*; ]\*

Required: No

### **name**

Launch action name.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Pattern: [A-Za-z0-9][A-Za-z0-9 /\_-]\*

Required: No

### **optional**

Whether the launch will not be marked as failed if this action fails.

Type: Boolean

Required: No

## order

Launch action order.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 10000.

Required: No

## parameters

Launch action parameters.

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

Map Entries: Minimum number of 0 items. Maximum number of 20 items.

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

Key Pattern: ([A-Za-z0-9]+)

Required: No

## type

Launch action type.

Type: String

Valid Values: SSM\_AUTOMATION | SSM\_COMMAND

Required: No

## See Also

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

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

# LaunchActionParameter

Launch action parameter.

## Contents

### type

Type.

Type: String

Valid Values: SSM\_STORE | DYNAMIC

Required: No

### value

Value.

Type: String

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

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

Required: No

## See Also

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

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

# LaunchActionRun

Launch action run.

## Contents

### **action**

Action.

Type: [LaunchAction](#) object

Required: No

### **failureReason**

Failure reason.

Type: String

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

Pattern: [0-9a-zA-Z ():/., '-\_#\*;]\*

Required: No

### **runId**

Run Id.

Type: String

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

Pattern: [0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}

Required: No

### **status**

Run status.

Type: String

Valid Values: IN\_PROGRESS | SUCCEEDED | FAILED

Required: No

## See Also

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

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

# LaunchActionsRequestFilters

Resource launch actions filter.

## Contents

### **actionIds**

Launch actions Ids.

Type: Array of strings

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

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

Pattern: [0-9a-fA-F]{8}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{4}-[0-9a-fA-F]{12}

Required: No

## See Also

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

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

# LaunchActionsStatus

Launch actions status.

## Contents

### runs

List of post launch action status.

Type: Array of [LaunchActionRun](#) objects

Required: No

### ssmAgentDiscoveryDatetime

Time where the AWS Systems Manager was detected as running on the launched instance.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

## See Also

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

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

# LaunchConfigurationTemplate

Account level Launch Configuration Template.

## Contents

### arn

ARN of the Launch Configuration Template.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn: . {16, 2044}`

Required: No

### copyPrivateIp

Copy private IP.

Type: Boolean

Required: No

### copyTags

Copy tags.

Type: Boolean

Required: No

### exportBucketArn

S3 bucket ARN to export Source Network templates.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn: . {16, 2044}`

Required: No

**launchConfigurationTemplateID**

ID of the Launch Configuration Template.

Type: String

Length Constraints: Fixed length of 21.

Pattern: lct-[0-9a-zA-Z]{17}

Required: No

**launchDisposition**

Launch disposition.

Type: String

Valid Values: STOPPED | STARTED

Required: No

**launchIntoSourceInstance**

DRS will set the 'launch into instance ID' of any source server when performing a drill, recovery or failback to the previous region or availability zone, using the instance ID of the source instance.

Type: Boolean

Required: No

**licensing**

Licensing.

Type: [Licensing](#) object

Required: No

**postLaunchEnabled**

Post-launch actions activated.

Type: Boolean

Required: No

## tags

Tags of the Launch Configuration Template.

Type: String to string map

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

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

Required: No

## targetInstanceTypeRightSizingMethod

Target instance type right-sizing method.

Type: String

Valid Values: NONE | BASIC | IN\_AWS

Required: No

## See Also

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

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

# LaunchIntoInstanceProperties

Launch into existing instance.

## Contents

### launchIntoEC2InstanceId

Optionally holds EC2 instance ID of an instance to launch into, instead of launching a new instance during drill, recovery or failback.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: i-[0-9a-fA-F]{8,}

Required: No

## See Also

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

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

# Licensing

Configuration of a machine's license.

## Contents

### **osByol**

Whether to enable "Bring your own license" or not.

Type: Boolean

Required: No

## See Also

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

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

# LifeCycle

An object representing the Source Server Lifecycle.

## Contents

### **addedToServiceDateTime**

The date and time of when the Source Server was added to the service.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **elapsedReplicationDuration**

The amount of time that the Source Server has been replicating for.

Type: String

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

Required: No

### **firstByteDateTime**

The date and time of the first byte that was replicated from the Source Server.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **lastLaunch**

An object containing information regarding the last launch of the Source Server.

Type: [LifeCycleLastLaunch](#) object

Required: No

### **lastSeenByServiceDateTime**

The date and time this Source Server was last seen by the service.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

## See Also

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

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

# LifeCycleLastLaunch

An object containing information regarding the last launch of a Source Server.

## Contents

### initiated

An object containing information regarding the initiation of the last launch of a Source Server.

Type: [LifeCycleLastLaunchInitiated](#) object

Required: No

### status

Status of Source Server's last launch.

Type: String

Valid Values: PENDING | IN\_PROGRESS | LAUNCHED | FAILED | TERMINATED

Required: No

## See Also

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

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

# LifeCycleLastLaunchInitiated

An object containing information regarding the initiation of the last launch of a Source Server.

## Contents

### apiCallDateTime

The date and time the last Source Server launch was initiated.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|[12][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### jobID

The ID of the Job that was used to last launch the Source Server.

Type: String

Length Constraints: Fixed length of 24.

Pattern: drsjob-[0-9a-zA-Z]{17}

Required: No

### type

The Job type that was used to last launch the Source Server.

Type: String

Valid Values: RECOVERY | DRILL

Required: No

## See Also

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

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

# NetworkInterface

Network interface.

## Contents

### ips

Network interface IPs.

Type: Array of strings

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

Required: No

### isPrimary

Whether this is the primary network interface.

Type: Boolean

Required: No

### macAddress

The MAC address of the network interface.

Type: String

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

Required: No

## See Also

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

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



# OS

Operating System.

## Contents

### fullString

The long name of the Operating System.

Type: String

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

Required: No

## See Also

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

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

# ParticipatingResource

Represents a resource participating in an asynchronous Job.

## Contents

### launchStatus

The launch status of a participating resource.

Type: String

Valid Values: PENDING | IN\_PROGRESS | LAUNCHED | FAILED | TERMINATED

Required: No

### participatingResourceId

The ID of a participating resource.

Type: [ParticipatingResourceId](#) object

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

Required: No

## See Also

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

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

# ParticipatingResourceId

ID of a resource participating in an asynchronous Job.

## Contents

### Important

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

### sourceNetworkID

Source Network ID.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: No

## See Also

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

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

# ParticipatingServer

Represents a server participating in an asynchronous Job.

## Contents

### launchActionsStatus

The post-launch action runs of a participating server.

Type: [LaunchActionsStatus](#) object

Required: No

### launchStatus

The launch status of a participating server.

Type: String

Valid Values: PENDING | IN\_PROGRESS | LAUNCHED | FAILED | TERMINATED

Required: No

### recoveryInstanceID

The Recovery Instance ID of a participating server.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: No

### sourceServerID

The Source Server ID of a participating server.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: No

## See Also

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

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

# PITPolicyRule

A rule in the Point in Time (PIT) policy representing when to take snapshots and how long to retain them for.

## Contents

### interval

How often, in the chosen units, a snapshot should be taken.

Type: Integer

Valid Range: Minimum value of 1.

Required: Yes

### retentionDuration

The duration to retain a snapshot for, in the chosen units.

Type: Integer

Valid Range: Minimum value of 1.

Required: Yes

### units

The units used to measure the interval and retentionDuration.

Type: String

Valid Values: MINUTE | HOUR | DAY

Required: Yes

### enabled

Whether this rule is enabled or not.

Type: Boolean

Required: No

## ruleID

The ID of the rule.

Type: Long

Valid Range: Minimum value of 0.

Required: No

## See Also

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

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

# RecoveryInstance

A Recovery Instance is a replica of a Source Server running on EC2.

## Contents

### arn

The ARN of the Recovery Instance.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn: .{16,2044}`

Required: No

### dataReplicationInfo

The Data Replication Info of the Recovery Instance.

Type: [RecoveryInstanceDataReplicationInfo](#) object

Required: No

### ec2InstanceId

The EC2 instance ID of the Recovery Instance.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `i-[0-9a-fA-F]{8,}`

Required: No

### ec2InstanceState

The state of the EC2 instance for this Recovery Instance.

Type: String

Valid Values: PENDING | RUNNING | STOPPING | STOPPED | SHUTTING-DOWN | TERMINATED | NOT\_FOUND

Required: No

### **fallback**

An object representing fallback related information of the Recovery Instance.

Type: [RecoveryInstanceFallback](#) object

Required: No

### **isDrill**

Whether this Recovery Instance was created for a drill or for an actual Recovery event.

Type: Boolean

Required: No

### **jobID**

The ID of the Job that created the Recovery Instance.

Type: String

Length Constraints: Fixed length of 24.

Pattern: drsjob-[0-9a-zA-Z]{17}

Required: No

### **originAvailabilityZone**

AWS availability zone associated with the recovery instance.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: (us(-gov)?|ap|ca|cn|eu|sa|af|me|il)-(central|north|(north(?:east|west))|south|south(?:east|west)|east|west)-[0-9][a-z]

Required: No

### **originEnvironment**

Environment (On Premises / AWS) of the instance that the recovery instance originated from.

Type: String

Valid Values: ON\_PREMISES | AWS

Required: No

### **pointInTimeSnapshotDateTime**

The date and time of the Point in Time (PIT) snapshot that this Recovery Instance was launched from.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **recoveryInstanceID**

The ID of the Recovery Instance.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: i-[0-9a-fA-F]{8,}

Required: No

### **recoveryInstanceProperties**

Properties of the Recovery Instance machine.

Type: [RecoveryInstanceProperties](#) object

Required: No

### **sourceServerID**

The Source Server ID that this Recovery Instance is associated with.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: No

## tags

An array of tags that are associated with the Recovery Instance.

Type: String to string map

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

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

Required: No

## See Also

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

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

# RecoveryInstanceDataReplicationError

Error in data replication.

## Contents

### error

Error in data replication.

Type: String

Valid Values: AGENT\_NOT\_SEEN | FAILBACK\_CLIENT\_NOT\_SEEN | NOT\_CONVERGING | UNSTABLE\_NETWORK | FAILED\_TO\_ESTABLISH\_RECOVERY\_INSTANCE\_COMMUNICATION | FAILED\_TO\_DOWNLOAD\_REPLICATION\_SOFTWARE\_TO\_FAILBACK\_CLIENT | FAILED\_TO\_CONFIGURE\_REPLICATION\_SOFTWARE | FAILED\_TO\_PAIR\_AGENT\_WITH\_REPLICATION\_SOFTWARE | FAILED\_TO\_ESTABLISH\_AGENT\_REPLICATOR\_SOFTWARE\_COMMUNICATION | FAILED\_GETTING\_REPLICATION\_STATE | SNAPSHOTS\_FAILURE | FAILED\_TO\_CREATE\_SECURITY\_GROUP | FAILED\_TO\_LAUNCH\_REPLICATION\_SERVER | FAILED\_TO\_BOOT\_REPLICATION\_SERVER | FAILED\_TO\_AUTHENTICATE\_WITH\_SERVICE | FAILED\_TO\_DOWNLOAD\_REPLICATION\_SOFTWARE | FAILED\_TO\_CREATE\_STAGING\_DISKS | FAILED\_TO\_ATTACH\_STAGING\_DISKS | FAILED\_TO\_PAIR\_REPLICATION\_SERVER\_WITH\_AGENT | FAILED\_TO\_CONNECT\_AGENT\_TO\_REPLICATION\_SERVER | FAILED\_TO\_START\_DATA\_TRANSFER

Required: No

### rawError

Error in data replication.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

## See Also

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

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

# RecoveryInstanceDataReplicationInfo

Information about Data Replication

## Contents

### **dataReplicationError**

Information about Data Replication

Type: [RecoveryInstanceDataReplicationError](#) object

Required: No

### **dataReplicationInitiation**

Information about whether the data replication has been initiated.

Type: [RecoveryInstanceDataReplicationInitiation](#) object

Required: No

### **dataReplicationState**

The state of the data replication.

Type: String

Valid Values: STOPPED | INITIATING | INITIAL\_SYNC | BACKLOG | CREATING\_SNAPSHOT | CONTINUOUS | PAUSED | RESCAN | STALLED | DISCONNECTED | REPLICATION\_STATE\_NOT\_AVAILABLE | NOT\_STARTED

Required: No

### **etaDateTime**

An estimate of when the data replication will be completed.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **lagDuration**

Data replication lag duration.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|[12][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **replicatedDisks**

The disks that should be replicated.

Type: Array of [RecoveryInstanceDataReplicationInfoReplicatedDisk](#) objects

Array Members: Minimum number of 0 items. Maximum number of 60 items.

Required: No

### **stagingAvailabilityZone**

AWS Availability zone into which data is being replicated.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: (us(-gov)?|ap|ca|cn|eu|sa|af|me|il)-(central|north|(north(?:east|west))|south|south(?:east|west)|east|west)-[0-9][a-z]

Required: No

## **See Also**

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

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

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

# RecoveryInstanceStateReplicationInfoReplicatedDisk

A disk that should be replicated.

## Contents

### backloggedStorageBytes

The size of the replication backlog in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### deviceName

The name of the device.

Type: String

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

Required: No

### replicatedStorageBytes

The amount of data replicated so far in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### rescannedStorageBytes

The amount of data to be rescanned in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

## totalStorageBytes

The total amount of data to be replicated in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

## See Also

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

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

# RecoveryInstanceDataReplicationInitiation

Data replication initiation.

## Contents

### startDateTime

The date and time of the current attempt to initiate data replication.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### steps

The steps of the current attempt to initiate data replication.

Type: Array of [RecoveryInstanceDataReplicationInitiationStep](#) objects

Required: No

## See Also

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

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

# RecoveryInstanceDataReplicationInitiationStep

Data replication initiation step.

## Contents

### **name**

The name of the step.

Type: String

Valid Values: LINK\_FAILBACK\_CLIENT\_WITH\_RECOVERY\_INSTANCE | COMPLETE\_VOLUME\_MAPPING | ESTABLISH\_RECOVERY\_INSTANCE\_COMMUNICATION | DOWNLOAD\_REPLICATION\_SOFTWARE\_TO\_FAILBACK\_CLIENT | CONFIGURE\_REPLICATION\_SOFTWARE | PAIR\_AGENT\_WITH\_REPLICATION\_SOFTWARE | ESTABLISH\_AGENT\_REPLICATOR\_SOFTWARE\_COMMUNICATION | WAIT | CREATE\_SECURITY\_GROUP | LAUNCH\_REPLICATION\_SERVER | BOOT\_REPLICATION\_SERVER | AUTHENTICATE\_WITH\_SERVICE | DOWNLOAD\_REPLICATION\_SOFTWARE | CREATE\_STAGING\_DISKS | ATTACH\_STAGING\_DISKS | PAIR\_REPLICATION\_SERVER\_WITH\_AGENT | CONNECT\_AGENT\_TO\_REPLICATION\_SERVER | START\_DATA\_TRANSFER

Required: No

### **status**

The status of the step.

Type: String

Valid Values: NOT\_STARTED | IN\_PROGRESS | SUCCEEDED | FAILED | SKIPPED

Required: No

## See Also

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

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

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

# RecoveryInstanceDisk

An object representing a block storage device on the Recovery Instance.

## Contents

### bytes

The amount of storage on the disk in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### ebsVolumeID

The EBS Volume ID of this disk.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: vol-( [0-9a-fA-F]{8}|[0-9a-fA-F]{17})

Required: No

### internalDeviceName

The internal device name of this disk. This is the name that is visible on the machine itself and not from the EC2 console.

Type: String

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

Required: No

## See Also

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

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

# RecoveryInstanceFallback

An object representing failback related information of the Recovery Instance.

## Contents

### agentLastSeenByServiceDateTime

The date and time the agent on the Recovery Instance was last seen by the service.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### elapsedReplicationDuration

The amount of time that the Recovery Instance has been replicating for.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### failbackClientID

The ID of the failback client that this Recovery Instance is associated with.

Type: String

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

Required: No

### failbackClientLastSeenByServiceDateTime

The date and time that the failback client was last seen by the service.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|[12][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **failbackInitiationTime**

The date and time that the failback initiation started.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|[12][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **failbackJobID**

The Job ID of the last failback log for this Recovery Instance.

Type: String

Length Constraints: Fixed length of 24.

Pattern: drsjob-[0-9a-zA-Z]{17}

Required: No

### **failbackLaunchType**

The launch type (Recovery / Drill) of the last launch for the failback replication of this recovery instance.

Type: String

Valid Values: RECOVERY | DRILL

Required: No

## **fallbackToOriginalServer**

Whether we are failing back to the original Source Server for this Recovery Instance.

Type: Boolean

Required: No

## **firstByteDateTime**

The date and time of the first byte that was replicated from the Recovery Instance.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

## **state**

The state of the failback process that this Recovery Instance is in.

Type: String

Valid Values: FAILBACK\_NOT\_STARTED | FAILBACK\_IN\_PROGRESS | FAILBACK\_READY\_FOR\_LAUNCH | FAILBACK\_COMPLETED | FAILBACK\_ERROR | FAILBACK\_NOT\_READY\_FOR\_LAUNCH | FAILBACK\_LAUNCH\_STATE\_NOT\_AVAILABLE

Required: No

## **See Also**

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

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

# RecoveryInstanceProperties

Properties of the Recovery Instance machine.

## Contents

### **cpus**

An array of CPUs.

Type: Array of [CPU](#) objects

Array Members: Minimum number of 0 items. Maximum number of 256 items.

Required: No

### **disks**

An array of disks.

Type: Array of [RecoveryInstanceDisk](#) objects

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Required: No

### **identificationHints**

Hints used to uniquely identify a machine.

Type: [IdentificationHints](#) object

Required: No

### **lastUpdatedDateTime**

The date and time the Recovery Instance properties were last updated on.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **networkInterfaces**

An array of network interfaces.

Type: Array of [NetworkInterface](#) objects

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Required: No

### **os**

Operating system.

Type: [OS](#) object

Required: No

### **ramBytes**

The amount of RAM in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

## **See Also**

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

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

# RecoveryLifeCycle

An object representing the Source Network recovery Lifecycle.

## Contents

### apiCallDateTime

The date and time the last Source Network recovery was initiated.

Type: Timestamp

Required: No

### jobID

The ID of the Job that was used to last recover the Source Network.

Type: String

Length Constraints: Fixed length of 24.

Pattern: drsjob-[0-9a-zA-Z]{17}

Required: No

### lastRecoveryResult

The status of the last recovery status of this Source Network.

Type: String

Valid Values: NOT\_STARTED | IN\_PROGRESS | SUCCESS | FAIL | PARTIAL\_SUCCESS | ASSOCIATE\_SUCCESS | ASSOCIATE\_FAIL

Required: No

## See Also

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

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

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

# RecoverySnapshot

A snapshot of a Source Server used during recovery.

## Contents

### expectedTimestamp

The timestamp of when we expect the snapshot to be taken.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: Yes

### snapshotID

The ID of the Recovery Snapshot.

Type: String

Length Constraints: Fixed length of 21.

Pattern: pit-[0-9a-zA-Z]{17}

Required: Yes

### sourceServerID

The ID of the Source Server that the snapshot was taken for.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

### ebsSnapshots

A list of EBS snapshots.

Type: Array of strings

Pattern: snap-[0-9a-zA-Z]{17}

Required: No

### timestamp

The actual timestamp that the snapshot was taken.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|12)[0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

## See Also

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

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

# ReplicationConfigurationReplicatedDisk

The configuration of a disk of the Source Server to be replicated.

## Contents

### deviceName

The name of the device.

Type: String

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

Required: No

### iops

The requested number of I/O operations per second (IOPS).

Type: Long

Valid Range: Minimum value of 0.

Required: No

### isBootDisk

Whether to boot from this disk or not.

Type: Boolean

Required: No

### optimizedStagingDiskType

The Staging Disk EBS volume type to be used during replication when `stagingDiskType` is set to Auto. This is a read-only field.

Type: String

Valid Values: AUTO | GP2 | GP3 | I01 | SC1 | ST1 | STANDARD

Required: No

## stagingDiskType

The Staging Disk EBS volume type to be used during replication.

Type: String

Valid Values: AUTO | GP2 | GP3 | IO1 | SC1 | ST1 | STANDARD

Required: No

## throughput

The throughput to use for the EBS volume in MiB/s. This parameter is valid only for gp3 volumes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

## See Also

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

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

# ReplicationConfigurationTemplate

## Contents

### replicationConfigurationTemplateID

The Replication Configuration Template ID.

Type: String

Length Constraints: Fixed length of 21.

Pattern: `rct-[0-9a-zA-Z]{17}`

Required: Yes

### arn

The Replication Configuration Template ARN.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:.{16,2044}`

Required: No

### associateDefaultSecurityGroup

Whether to associate the default Elastic Disaster Recovery Security group with the Replication Configuration Template.

Type: Boolean

Required: No

### autoReplicateNewDisks

Whether to allow the AWS replication agent to automatically replicate newly added disks.

Type: Boolean

Required: No

## **bandwidthThrottling**

Configure bandwidth throttling for the outbound data transfer rate of the Source Server in Mbps.

Type: Long

Valid Range: Minimum value of 0.

Required: No

## **createPublicIP**

Whether to create a Public IP for the Recovery Instance by default.

Type: Boolean

Required: No

## **dataPlaneRouting**

The data plane routing mechanism that will be used for replication.

Type: String

Valid Values: PRIVATE\_IP | PUBLIC\_IP

Required: No

## **defaultLargeStagingDiskType**

The Staging Disk EBS volume type to be used during replication.

Type: String

Valid Values: GP2 | GP3 | ST1 | AUTO

Required: No

## **ebsEncryption**

The type of EBS encryption to be used during replication.

Type: String

Valid Values: DEFAULT | CUSTOM | NONE

Required: No

### **ebsEncryptionKeyArn**

The ARN of the EBS encryption key to be used during replication.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn: .{16, 2048}`

Required: No

### **pitPolicy**

The Point in time (PIT) policy to manage snapshots taken during replication.

Type: Array of [PITPolicyRule](#) objects

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

Required: No

### **replicationServerInstanceType**

The instance type to be used for the replication server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

### **replicationServersSecurityGroupsIDs**

The security group IDs that will be used by the replication server.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `sg-[0-9a-fA-F]{8,}`

Required: No

### **stagingAreaSubnetId**

The subnet to be used by the replication staging area.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: subnet-[0-9a-fA-F]{8,}

Required: No

### **stagingAreaTags**

A set of tags to be associated with all resources created in the replication staging area: EC2 replication server, EBS volumes, EBS snapshots, etc.

Type: String to string map

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

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

Required: No

### **tags**

A set of tags to be associated with the Replication Configuration Template resource.

Type: String to string map

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

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

Required: No

### **useDedicatedReplicationServer**

Whether to use a dedicated Replication Server in the replication staging area.

Type: Boolean

Required: No

## See Also

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

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

# SourceCloudProperties

Properties of the cloud environment where this Source Server originated from.

## Contents

### originAccountID

AWS Account ID for an EC2-originated Source Server.

Type: String

Length Constraints: Fixed length of 12.

Pattern: .\*[0-9]{12,}.\*

Required: No

### originAvailabilityZone

AWS Availability Zone for an EC2-originated Source Server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: (us(-gov)?|ap|ca|cn|eu|sa|af|me|il)-(central|north|(north(?:east|west))|south|south(?:east|west)|east|west)-[0-9][a-z]

Required: No

### originRegion

AWS Region for an EC2-originated Source Server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: (us(-gov)?|ap|ca|cn|eu|sa|af|me|il)-(central|north|(north(?:east|west))|south|south(?:east|west)|east|west)-[0-9]

Required: No

## See Also

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

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

# SourceNetwork

The ARN of the Source Network.

## Contents

### arn

The ARN of the Source Network.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn: . {16, 2044}`

Required: No

### cfnStackName

CloudFormation stack name that was deployed for recovering the Source Network.

Type: String

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

Pattern: `[a-zA-Z] [-a-zA-Z0-9]*`

Required: No

### lastRecovery

An object containing information regarding the last recovery of the Source Network.

Type: [RecoveryLifeCycle](#) object

Required: No

### launchedVpcID

ID of the recovered VPC following Source Network recovery.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 21.

Pattern: vpc-[0-9a-fA-F]{8,}

Required: No

### **replicationStatus**

Status of Source Network Replication. Possible values: (a) STOPPED - Source Network is not replicating. (b) IN\_PROGRESS - Source Network is being replicated. (c) PROTECTED - Source Network was replicated successfully and is being synchronized for changes. (d) ERROR - Source Network replication has failed

Type: String

Valid Values: STOPPED | IN\_PROGRESS | PROTECTED | ERROR

Required: No

### **replicationStatusDetails**

Error details in case Source Network replication status is ERROR.

Type: String

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

Required: No

### **sourceAccountID**

Account ID containing the VPC protected by the Source Network.

Type: String

Length Constraints: Fixed length of 12.

Pattern: .\*[0-9]{12,}.\*

Required: No

### **sourceNetworkID**

Source Network ID.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: No

### **sourceRegion**

Region containing the VPC protected by the Source Network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: (us(-gov)?|ap|ca|cn|eu|sa|af|me|il)-(central|north|(north(?:east|west))|south|south(?:east|west)|east|west)-[0-9]

Required: No

### **sourceVpcID**

VPC ID protected by the Source Network.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 21.

Pattern: vpc-[0-9a-fA-F]{8,}

Required: No

### **tags**

A list of tags associated with the Source Network.

Type: String to string map

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

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

Required: No

## **See Also**

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

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

# SourceNetworkData

Properties of Source Network related to a job event.

## Contents

### **sourceNetworkID**

Source Network ID.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: No

### **sourceVpc**

VPC ID protected by the Source Network.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 21.

Pattern: vpc-[0-9a-fA-F]{8,}

Required: No

### **stackName**

CloudFormation stack name that was deployed for recovering the Source Network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

### **targetVpc**

ID of the recovered VPC following Source Network recovery.

Type: String

Length Constraints: Minimum length of 12. Maximum length of 21.

Pattern: vpc-[0-9a-fA-F]{8,}

Required: No

## See Also

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

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

# SourceProperties

Properties of the Source Server machine.

## Contents

### **cpus**

An array of CPUs.

Type: Array of [CPU](#) objects

Array Members: Minimum number of 0 items. Maximum number of 256 items.

Required: No

### **disks**

An array of disks.

Type: Array of [Disk](#) objects

Array Members: Minimum number of 0 items. Maximum number of 1000 items.

Required: No

### **identificationHints**

Hints used to uniquely identify a machine.

Type: [IdentificationHints](#) object

Required: No

### **lastUpdatedDateTime**

The date and time the Source Properties were last updated on.

Type: String

Length Constraints: Minimum length of 19. Maximum length of 32.

Pattern: [1-9][0-9]\*-(0[1-9]|1[0-2])-(0[1-9]|1[2][0-9]|3[01])T([0-1][0-9]|2[0-3]):[0-5][0-9]:[0-5][0-9](\.[0-9]+)?Z

Required: No

### **networkInterfaces**

An array of network interfaces.

Type: Array of [NetworkInterface](#) objects

Array Members: Minimum number of 0 items. Maximum number of 32 items.

Required: No

### **os**

Operating system.

Type: [OS](#) object

Required: No

### **ramBytes**

The amount of RAM in bytes.

Type: Long

Valid Range: Minimum value of 0.

Required: No

### **recommendedInstanceType**

The recommended EC2 instance type that will be used when recovering the Source Server.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Required: No

### **supportsNitroInstances**

Are EC2 nitro instance types supported when recovering the Source Server.

Type: Boolean

Required: No

## See Also

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

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

# SourceServer

## Contents

### arn

The ARN of the Source Server.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn: . {16, 2044}

Required: No

### dataReplicationInfo

The Data Replication Info of the Source Server.

Type: [DataReplicationInfo](#) object

Required: No

### lastLaunchResult

The status of the last recovery launch of this Source Server.

Type: String

Valid Values: NOT\_STARTED | PENDING | SUCCEEDED | FAILED

Required: No

### lifeCycle

The lifecycle information of this Source Server.

Type: [LifeCycle](#) object

Required: No

### recoveryInstanceId

The ID of the Recovery Instance associated with this Source Server.

Type: String

Length Constraints: Minimum length of 10. Maximum length of 19.

Pattern: `i-[0-9a-fA-F]{8,}`

Required: No

### **replicationDirection**

Replication direction of the Source Server.

Type: String

Valid Values: FAILOVER | FAILBACK

Required: No

### **reversedDirectionSourceServerArn**

For EC2-originated Source Servers which have been failed over and then failed back, this value will mean the ARN of the Source Server on the opposite replication direction.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:(?:[0-9a-zA-Z_-]+:){3}([0-9]{12,}):source-server/(s-[0-9a-zA-Z]{17})`

Required: No

### **sourceCloudProperties**

Source cloud properties of the Source Server.

Type: [SourceCloudProperties object](#)

Required: No

### **sourceNetworkID**

ID of the Source Network which is protecting this Source Server's network.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: No

### **sourceProperties**

The source properties of the Source Server.

Type: [SourceProperties](#) object

Required: No

### **sourceServerID**

The ID of the Source Server.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: No

### **stagingArea**

The staging area of the source server.

Type: [StagingArea](#) object

Required: No

### **tags**

The tags associated with the Source Server.

Type: String to string map

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

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

Required: No

## See Also

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

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

# StagingArea

Staging information related to source server.

## Contents

### **errorMessage**

Shows an error message that occurred when DRS tried to access the staging source server. In this case StagingArea\$status will have value EXTENSION\_ERROR

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

### **stagingAccountId**

Account ID of the account to which source server belongs. If this source server is extended - shows Account ID of staging source server.

Type: String

Length Constraints: Fixed length of 12.

Pattern: .\*[0-9]{12,}.\*

Required: No

### **stagingSourceServerArn**

Arn of the staging source server if this source server is extended

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:.{16,2044}

Required: No

### **status**

Status of Source server extension. Possible values: (a) NOT\_EXTENDED - This is a source server that is replicating in the current account. (b) EXTENDED - Source server is extended from a

staging source server. In this case, the value of stagingSourceServerArn is pointing to the Arn of the source server in the staging account. (c) EXTENSION\_ERROR - Some issue occurred when accessing staging source server. In this case, errorMessage field will contain an error message that explains what happened.

Type: String

Valid Values: EXTENDED | EXTENSION\_ERROR | NOT\_EXTENDED

Required: No

## See Also

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

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

# StagingSourceServer

Source server in staging account that extended source server connected to.

## Contents

### arn

The ARN of the source server.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: arn:(?:[0-9a-zA-Z\_-]+:){3}([0-9]{12,}):source-server/(s-[0-9a-zA-Z]{17})

Required: No

### hostname

Hostname of staging source server.

Type: String

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

Required: No

### tags

A list of tags associated with the staging source server.

Type: String to string map

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

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

Required: No

## See Also

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

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

# StartRecoveryRequestSourceServer

An object representing the Source Server to recover.

## Contents

### sourceServerID

The ID of the Source Server you want to recover.

Type: String

Length Constraints: Fixed length of 19.

Pattern: s-[0-9a-zA-Z]{17}

Required: Yes

### recoverySnapshotID

The ID of a Recovery Snapshot we want to recover from. Omit this field to launch from the latest data by taking an on-demand snapshot.

Type: String

Length Constraints: Fixed length of 21.

Pattern: pit-[0-9a-zA-Z]{17}

Required: No

## See Also

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

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

# StartSourceNetworkRecoveryRequestNetworkEntry

An object representing the Source Network to recover.

## Contents

### sourceNetworkID

The ID of the Source Network you want to recover.

Type: String

Length Constraints: Fixed length of 20.

Pattern: sn-[0-9a-zA-Z]{17}

Required: Yes

### cfnStackName

CloudFormation stack name to be used for recovering the network.

Type: String

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

Pattern: [a-zA-Z][-a-zA-Z0-9]\*

Required: No

## See Also

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

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

# ValidationExceptionField

Validate exception field.

## Contents

### **message**

Validate exception field message.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

### **name**

Validate exception field name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 65536.

Required: No

## See Also

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

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

# Common Parameters

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

## Action

The action to be performed.

Type: string

Required: Yes

## Version

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

Type: string

Required: Yes

## X-Amz-Algorithm

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

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

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

## X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4\_request"). The value is expressed in the following format: *access\_key/YYYYMMDD/region/service/aws4\_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

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

Type: string

Required: Conditional

#### X-Amz-Date

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

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

Type: string

Required: Conditional

#### X-Amz-Security-Token

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

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

Type: string

Required: Conditional

#### X-Amz-Signature

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

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

Type: string

Required: Conditional

### X-Amz-SignedHeaders

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

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

Type: string

Required: Conditional

# Common Errors

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

## **AccessDeniedException**

You do not have sufficient access to perform this action.

HTTP Status Code: 403

## **ExpiredTokenException**

The security token included in the request is expired

HTTP Status Code: 403

## **IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 403

## **InternalFailure**

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

HTTP Status Code: 500

## **MalformedHttpRequestException**

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

HTTP Status Code: 400

## **NotAuthorized**

You do not have permission to perform this action.

HTTP Status Code: 401

## **OptInRequired**

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

HTTP Status Code: 403

### **RequestAbortedException**

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

HTTP Status Code: 400

### **RequestEntityTooLargeException**

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

HTTP Status Code: 413

### **RequestExpired**

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

HTTP Status Code: 400

### **RequestTimeoutException**

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

HTTP Status Code: 408

### **ServiceUnavailable**

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

HTTP Status Code: 503

### **ThrottlingException**

The request was denied due to request throttling.

HTTP Status Code: 400

### **UnrecognizedClientException**

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

HTTP Status Code: 403

## **UnknownOperationException**

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

HTTP Status Code: 404

## **ValidationError**

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

HTTP Status Code: 400