



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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Table of Contents

Welcome	1
Actions	2
AssociateSourceNetworkStack	4
Request Syntax	4
URI Request Parameters	4
Request Body	4
Response Syntax	5
Response Elements	6
Errors	6
See Also	7
CreateExtendedSourceServer	9
Request Syntax	9
URI Request Parameters	9
Request Body	9
Response Syntax	10
Response Elements	12
Errors	13
See Also	14
CreateLaunchConfigurationTemplate	15
Request Syntax	15
URI Request Parameters	15
Request Body	15
Response Syntax	17
Response Elements	18
Errors	18
See Also	19
CreateReplicationConfigurationTemplate	20
Request Syntax	20
URI Request Parameters	20
Request Body	21
Response Syntax	24
Response Elements	25
Errors	28
See Also	29

CreateSourceNetwork	30
Request Syntax	30
URI Request Parameters	30
Request Body	30
Response Syntax	31
Response Elements	31
Errors	32
See Also	33
DeleteJob	34
Request Syntax	34
URI Request Parameters	34
Request Body	34
Response Syntax	34
Response Elements	34
Errors	35
See Also	35
DeleteLaunchAction	37
Request Syntax	37
URI Request Parameters	37
Request Body	37
Response Syntax	38
Response Elements	38
Errors	38
See Also	39
DeleteLaunchConfigurationTemplate	40
Request Syntax	40
URI Request Parameters	40
Request Body	40
Response Syntax	40
Response Elements	40
Errors	41
See Also	41
DeleteRecoveryInstance	43
Request Syntax	43
URI Request Parameters	43
Request Body	43

Response Syntax	43
Response Elements	43
Errors	44
See Also	44
DeleteReplicationConfigurationTemplate	46
Request Syntax	46
URI Request Parameters	46
Request Body	46
Response Syntax	46
Response Elements	46
Errors	47
See Also	47
DeleteSourceNetwork	49
Request Syntax	49
URI Request Parameters	49
Request Body	49
Response Syntax	49
Response Elements	49
Errors	50
See Also	50
DeleteSourceServer	52
Request Syntax	52
URI Request Parameters	52
Request Body	52
Response Syntax	52
Response Elements	52
Errors	53
See Also	53
DescribeJobLogItems	55
Request Syntax	55
URI Request Parameters	55
Request Body	55
Response Syntax	56
Response Elements	57
Errors	57
See Also	58

DescribeJobs	59
Request Syntax	59
URI Request Parameters	59
Request Body	59
Response Syntax	60
Response Elements	61
Errors	62
See Also	62
DescribeLaunchConfigurationTemplates	64
Request Syntax	64
URI Request Parameters	64
Request Body	64
Response Syntax	65
Response Elements	65
Errors	66
See Also	67
DescribeRecoveryInstances	68
Request Syntax	68
URI Request Parameters	68
Request Body	68
Response Syntax	69
Response Elements	71
Errors	72
See Also	72
DescribeRecoverySnapshots	74
Request Syntax	74
URI Request Parameters	74
Request Body	74
Response Syntax	75
Response Elements	76
Errors	76
See Also	77
DescribeReplicationConfigurationTemplates	78
Request Syntax	78
URI Request Parameters	78
Request Body	78

Response Syntax	79
Response Elements	80
Errors	80
See Also	81
DescribeSourceNetworks	82
Request Syntax	82
URI Request Parameters	82
Request Body	82
Response Syntax	83
Response Elements	84
Errors	84
See Also	85
DescribeSourceServers	86
Request Syntax	86
URI Request Parameters	86
Request Body	86
Response Syntax	87
Response Elements	89
Errors	90
See Also	90
DisconnectRecoveryInstance	92
Request Syntax	92
URI Request Parameters	92
Request Body	92
Response Syntax	93
Response Elements	93
Errors	93
See Also	94
DisconnectSourceServer	95
Request Syntax	95
URI Request Parameters	95
Request Body	95
Response Syntax	96
Response Elements	98
Errors	100
See Also	101

ExportSourceNetworkCfnTemplate	103
Request Syntax	103
URI Request Parameters	103
Request Body	103
Response Syntax	103
Response Elements	104
Errors	104
See Also	105
GetFailbackReplicationConfiguration	106
Request Syntax	106
URI Request Parameters	106
Request Body	106
Response Syntax	106
Response Elements	107
Errors	108
See Also	108
GetLaunchConfiguration	110
Request Syntax	110
URI Request Parameters	110
Request Body	110
Response Syntax	110
Response Elements	111
Errors	113
See Also	113
GetReplicationConfiguration	115
Request Syntax	115
URI Request Parameters	115
Request Body	115
Response Syntax	115
Response Elements	116
Errors	120
See Also	120
InitializeService	122
Request Syntax	122
URI Request Parameters	122
Request Body	122

Response Syntax	122
Response Elements	122
Errors	122
See Also	123
ListExtensibleSourceServers	124
Request Syntax	124
URI Request Parameters	124
Request Body	124
Response Syntax	125
Response Elements	125
Errors	126
See Also	126
ListLaunchActions	128
Request Syntax	128
URI Request Parameters	128
Request Body	128
Response Syntax	129
Response Elements	130
Errors	130
See Also	131
ListStagingAccounts	132
Request Syntax	132
URI Request Parameters	132
Request Body	132
Response Syntax	132
Response Elements	133
Errors	133
See Also	134
ListTagsForResource	135
Request Syntax	135
URI Request Parameters	135
Request Body	135
Response Syntax	135
Response Elements	135
Errors	136
See Also	137

PutLaunchAction	138
Request Syntax	138
URI Request Parameters	138
Request Body	138
Response Syntax	141
Response Elements	142
Errors	144
See Also	145
RetryDataReplication	146
Request Syntax	146
URI Request Parameters	146
Request Body	146
Response Syntax	146
Response Elements	149
Errors	151
See Also	152
ReverseReplication	153
Request Syntax	153
URI Request Parameters	153
Request Body	153
Response Syntax	153
Response Elements	154
Errors	154
See Also	155
StartFailbackLaunch	156
Request Syntax	156
URI Request Parameters	156
Request Body	156
Response Syntax	157
Response Elements	158
Errors	158
See Also	159
StartRecovery	161
Request Syntax	161
URI Request Parameters	161
Request Body	161

Response Syntax	162
Response Elements	163
Errors	164
See Also	164
StartReplication	166
Request Syntax	166
URI Request Parameters	166
Request Body	166
Response Syntax	166
Response Elements	169
Errors	169
See Also	170
StartSourceNetworkRecovery	171
Request Syntax	171
URI Request Parameters	171
Request Body	171
Response Syntax	172
Response Elements	173
Errors	174
See Also	175
StartSourceNetworkReplication	176
Request Syntax	176
URI Request Parameters	176
Request Body	176
Response Syntax	176
Response Elements	177
Errors	177
See Also	178
StopFailback	179
Request Syntax	179
URI Request Parameters	179
Request Body	179
Response Syntax	179
Response Elements	179
Errors	180
See Also	180

StopReplication	182
Request Syntax	182
URI Request Parameters	182
Request Body	182
Response Syntax	182
Response Elements	185
Errors	185
See Also	186
StopSourceNetworkReplication	187
Request Syntax	187
URI Request Parameters	187
Request Body	187
Response Syntax	187
Response Elements	188
Errors	188
See Also	189
TagResource	191
Request Syntax	191
URI Request Parameters	191
Request Body	191
Response Syntax	192
Response Elements	192
Errors	192
See Also	193
TerminateRecoveryInstances	194
Request Syntax	194
URI Request Parameters	194
Request Body	194
Response Syntax	194
Response Elements	196
Errors	196
See Also	197
UntagResource	198
Request Syntax	198
URI Request Parameters	198
Request Body	198

Response Syntax	198
Response Elements	198
Errors	199
See Also	199
UpdateFailbackReplicationConfiguration	201
Request Syntax	201
URI Request Parameters	201
Request Body	201
Response Syntax	202
Response Elements	202
Errors	202
See Also	203
UpdateLaunchConfiguration	204
Request Syntax	204
URI Request Parameters	204
Request Body	204
Response Syntax	206
Response Elements	207
Errors	208
See Also	209
UpdateLaunchConfigurationTemplate	211
Request Syntax	211
URI Request Parameters	211
Request Body	211
Response Syntax	213
Response Elements	214
Errors	214
See Also	215
UpdateReplicationConfiguration	216
Request Syntax	216
URI Request Parameters	217
Request Body	217
Response Syntax	221
Response Elements	222
Errors	225
See Also	226

UpdateReplicationConfigurationTemplate	227
Request Syntax	227
URI Request Parameters	227
Request Body	228
Response Syntax	231
Response Elements	232
Errors	235
See Also	236
Data Types	238
Account	241
Contents	241
See Also	241
ConversionProperties	242
Contents	242
See Also	243
CPU	244
Contents	244
See Also	244
DataReplicationError	245
Contents	245
See Also	245
DataReplicationInfo	247
Contents	247
See Also	248
DataReplicationInfoReplicatedDisk	250
Contents	250
See Also	251
DataReplicationInitiation	252
Contents	252
See Also	252
DataReplicationInitiationStep	254
Contents	254
See Also	254
DescribeJobsRequestFilters	255
Contents	255
See Also	256

DescribeRecoveryInstancesRequestFilters	257
Contents	257
See Also	257
DescribeRecoverySnapshotsRequestFilters	259
Contents	259
See Also	259
DescribeSourceNetworksRequestFilters	260
Contents	260
See Also	261
DescribeSourceServersRequestFilters	262
Contents	262
See Also	263
Disk	264
Contents	264
See Also	264
EventResourceData	265
Contents	265
See Also	265
IdentificationHints	266
Contents	266
See Also	267
Job	268
Contents	268
See Also	270
JobLog	271
Contents	271
See Also	272
JobLogEventData	273
Contents	273
See Also	274
LaunchAction	275
Contents	275
See Also	277
LaunchActionParameter	278
Contents	278
See Also	278

LaunchActionRun	279
Contents	279
See Also	280
LaunchActionsRequestFilters	281
Contents	281
See Also	281
LaunchActionsStatus	282
Contents	282
See Also	282
LaunchConfigurationTemplate	283
Contents	283
See Also	285
LaunchIntoInstanceProperties	286
Contents	286
See Also	286
Licensing	287
Contents	287
See Also	287
LifeCycle	288
Contents	288
See Also	289
LifeCycleLastLaunch	290
Contents	290
See Also	290
LifeCycleLastLaunchInitiated	291
Contents	291
See Also	291
NetworkInterface	293
Contents	293
See Also	293
OS	295
Contents	295
See Also	295
ParticipatingResource	296
Contents	296
See Also	296

ParticipatingResourceID	297
Contents	297
See Also	297
ParticipatingServer	298
Contents	298
See Also	299
PITPolicyRule	300
Contents	300
See Also	301
RecoveryInstance	302
Contents	302
See Also	305
RecoveryInstanceDataReplicationError	306
Contents	306
See Also	307
RecoveryInstanceDataReplicationInfo	308
Contents	308
See Also	309
RecoveryInstanceDataReplicationInfoReplicatedDisk	311
Contents	311
See Also	312
RecoveryInstanceDataReplicationInitiation	313
Contents	313
See Also	313
RecoveryInstanceDataReplicationInitiationStep	314
Contents	314
See Also	314
RecoveryInstanceDisk	316
Contents	316
See Also	316
RecoveryInstanceFailback	318
Contents	318
See Also	320
RecoveryInstanceProperties	321
Contents	321
See Also	322

RecoveryLifecycle	323
Contents	323
See Also	323
RecoverySnapshot	325
Contents	325
See Also	326
ReplicationConfigurationReplicatedDisk	327
Contents	327
See Also	328
ReplicationConfigurationTemplate	329
Contents	329
See Also	333
SourceCloudProperties	334
Contents	334
See Also	335
SourceNetwork	336
Contents	336
See Also	338
SourceNetworkData	340
Contents	340
See Also	341
SourceProperties	342
Contents	342
See Also	344
SourceServer	345
Contents	345
See Also	348
StagingArea	349
Contents	349
See Also	350
StagingSourceServer	351
Contents	351
See Also	351
StartRecoveryRequestSourceServer	353
Contents	353
See Also	353

StartSourceNetworkRecoveryRequestNetworkEntry	354
Contents	354
See Also	354
ValidationExceptionField	355
Contents	355
See Also	355
Common Parameters	356
Common Errors	359

Welcome

AWS Elastic Disaster Recovery Service.

This document was last published on September 3, 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](#)
- [GetFailbackReplicationConfiguration](#)
- [GetLaunchConfiguration](#)
- [GetReplicationConfiguration](#)
- [InitializeService](#)

- [ListExtensibleSourceServers](#)
- [ListLaunchActions](#)
- [ListStagingAccounts](#)
- [ListTagsForResource](#)
- [PutLaunchAction](#)
- [RetryDataReplication](#)
- [ReverseReplication](#)
- [StartFailbackLaunch](#)
- [StartRecovery](#)
- [StartReplication](#)
- [StartSourceNetworkRecovery](#)
- [StartSourceNetworkReplication](#)
- [StopFailback](#)
- [StopReplication](#)
- [StopSourceNetworkReplication](#)
- [TagResource](#)
- [TerminateRecoveryInstances](#)
- [UntagResource](#)
- [UpdateFailbackReplicationConfiguration](#)
- [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

{
  "cfnStackName": "string",
  "sourceNetworkID": "string"
}
```

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

InternalServerErrorException

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

InternalServerErrorException

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": {  
  "osByol": boolean  
},  
"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: `rc-t-[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

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](#)

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|il)-(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

InternalServerErrorException

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": "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 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

InternalServerErrorException

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](#).

InternalServerErrorException

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

InternalServerErrorException

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": "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 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

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

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": "string"
}
```

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

InternalServerErrorException

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

InternalServerErrorException

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": "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 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

InternalServerErrorException

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 StartFailbackLaunch 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
```

```
{
  "filters": {
    "fromDate": "string",
    "jobIDs": [ "string" ],
    "toDate": "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 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

```
{
  "items": [
    {
      "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"
}
],
"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: `1ct-[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](#).

InternalServerErrorException

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
```

```
{
  "filters": {
    "recoveryInstanceIDs": [ "string" ],
    "sourceServerIDs": [ "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 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

```
{
  "items": [
    {
      "arn": "string",
      "dataReplicationInfo": {
        "dataReplicationError": {
          "error": "string",
          "rawError": "string"
        },
        "dataReplicationInitiation": {
          "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"
},
"ec2InstanceID": "string",
"ec2InstanceState": "string",
"failback": {
  "agentLastSeenByServiceDateTime": "string",
  "elapsedReplicationDuration": "string",
  "failbackClientID": "string",
  "failbackClientLastSeenByServiceDateTime": "string",
  "failbackInitiationTime": "string",
  "failbackJobID": "string",
  "failbackLaunchType": "string",
  "failbackToOriginalServer": 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

InternalServerErrorException

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
```

```
{
  "filters": {
    "fromDateTime": "string",
    "toDateTime": "string"
  },
  "maxResults": number,
  "nextToken": "string",
  "order": "string",
  "sourceServerID": "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 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",
```

```
    "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

InternalServerErrorException

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
```

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

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: `rc-t-[0-9a-zA-Z]{17}`

Required: No

Response Syntax

HTTP/1.1 200

Content-type: application/json

```
{
  "items": [
    {
      "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
}
],
"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](#).

InternalServerErrorException

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

{
  "filters": {
    "originAccountID": "string",
    "originRegion": "string",
    "sourceNetworkIDs": [ "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 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](#).

InternalServerErrorException

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

{
  "items": [
    {
      "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"
}
}
],
"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](#).

InternalServerErrorException

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": "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 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

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,}

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

InternalServerErrorException

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": "string"
}
```

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": "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.

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

InternalServerErrorException

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](#)

GetFailbackReplicationConfiguration

Lists all Failback ReplicationConfigurations, filtered by Recovery Instance ID.

Request Syntax

```
POST /GetFailbackReplicationConfiguration 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 failback 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,  
"name": "string",  
"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 Failback 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](#).

InternalServerErrorException

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": "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 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.

replicationServersSecurityGroupIDs

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

InternalServerErrorException

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

InternalServerErrorException

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
```

```
{
  "filters": {
    "actionIds": [ "string" ]
  },
  "maxResults": number,
  "nextToken": "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.

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": [
    {
      "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"  
  },  
  ],  
  "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](#).

InternalServerErrorException

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": [
    {
      "accountID": "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.

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

InternalServerErrorException

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

InternalServerErrorException

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": "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 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"
    }
  }
}

```

```
    "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

[**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,}

[**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 failback 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": "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 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

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](#)

StartFailbackLaunch

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

Request Syntax

```
POST /StartFailbackLaunch 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 failback 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 failback 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": {
```

```

        "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

InternalServerErrorException

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,
  "sourceServers": [
    {
      "recoverySnapshotID": "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",
```

```

        "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

InternalServerErrorException

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": "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 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",
    "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.

[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

InternalServerErrorException

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",
```

```

        "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

InternalServerErrorException

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": "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 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

InternalServerErrorException

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](#)

StopFailback

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 /StopFailback 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 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](#).

InternalServerErrorException

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",
  "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.

[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": "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 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

InternalServerErrorException

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

InternalServerErrorException

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](#)
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- [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": [ "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 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

InternalServerErrorException

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

InternalServerErrorException

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](#)

UpdateFailbackReplicationConfiguration

Allows you to update the failback replication configuration of a Recovery Instance by ID.

Request Syntax

```
POST /UpdateFailbackReplicationConfiguration 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 Failback 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

InternalServerErrorException

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: [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](#).

ConflictException

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

HTTP Status Code: 409

InternalServerErrorException

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 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

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" ],  
"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

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

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: `rc-t-[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

{
  "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 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: `rcct-[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

InternalServerErrorException

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](#)
- [RecoveryInstanceFailback](#)
- [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]|[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

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]|[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](#)

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]|[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

endTime

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]|[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](#)

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]|[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](#)

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]|[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 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]|[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

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]|[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](#)

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

failback

An object representing failback related information of the Recovery Instance.

Type: [RecoveryInstanceFailback](#) 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]|[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

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](#)

RecoveryInstanceDataReplicationInfoReplicatedDisk

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]|[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 [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](#)

RecoveryInstanceFailback

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]|1[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]|1[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

failbackToOriginalServer

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]|[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

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]|[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: 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 | IO1 | SC1 | ST1 | STANDARD

Required: No

stagingDiskType

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

Type: String

Valid Values: AUTO | GP2 | GP3 | I01 | 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: `rc-t-[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:.{16,2044}`

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

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]|[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

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