



Create a SnapMirror replication relationship

Cloud Manager Automation

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You can use this workflow to create a new SnapMirror replication relationship to an ONTAP working environment. You can replicate data between working environments by choosing a one-time data replication for data transfer, or a recurring schedule for disaster recovery or long-term retention.



This workflow varies slightly depending on the cloud provider you are using.

1. Select the working environment

Based on the cloud provider, you need to perform a workflow to get the identifier for the working environment as shown in the following table.

Provider	Workflow
AWS	Perform the workflow Get working environments and choose the <code>publicId</code> and <code>svmName</code> values for the source and destination.

2. Select the LIFs

Perform the workflow [Get intercluster LIFs](#) and choose the `address` value for the source and destination.

3. Select the SnapMirror policy

Perform the workflow [Get SnapMirror policies](#) and choose the `name` value for the required schedule.

4. Select the SnapMirror schedule

Perform the workflow [Get schedules](#) and choose the `name` value for the required policy.

5. Select the volume names and related storage parameters

Based on the cloud provider, you need to perform a workflow to get the volume information.

Provider	Workflow
AWS	Perform the workflow Get volumes and choose the <code>name</code> and <code>svmName</code> and <code>aggregateName</code> values.

6. Create a quote

Based on the cloud provider, you need to perform a workflow to get the volume information.

Provider	Workflow
AWS	Perform the workflow Create quote and choose the <code>providerVolumeType</code> and <code>name</code> values.

7. Create the relationship

HTTP method	Path
POST	/occm/api/replication/vsa

curl example

```
curl --location --request POST
'https://cloudmanager.cloud.netapp.com/occm/api/replication/vsa' --header
'Content-Type: application/json' --header 'x-agent-id: <AGENT_ID>'
--header 'Authorization: Bearer <ACCESS_TOKEN>' --d @JSONinput
```

Input

The JSON input example includes the minimum list of input parameters. The `maxTransferRate` is maximum transfer rate limit in KB/s. Specify 0 to indicate no limit or an integer between 1024 and 2,147,482,624.

JSON input example

```
{
  "replicationRequest": {
    "sourceWorkingEnvironmentId": "vsaworkingenvironment-sfrf3wvj",
    "destinationWorkingEnvironmentId": "vsaworkingenvironment-2qkd75xv",
    "sourceInterclusterLifIps": [
      "10.138.0.147"
    ],
    "destinationInterclusterLifIps": [
      "10.138.0.154"
    ],
    "policyName": "MirrorAllSnapshots",
    "scheduleName": "daily",
    "maxTransferRate": 102400
  },
  "replicationVolume": {
    "sourceSvmName": "svm_zivgcp01we02",
    "sourceVolumeName": "zivagg01vol01",
    "destinationVolumeName": "zivagg01vol03_copy",
    "destinationAggregateName": "aggr1",
    "numOfDisksApprovedToAdd": 0,
    "advancedMode": false,
    "destinationProviderVolumeType": "pd-ssd",
    "destinationSvmName": "svm_zivgcp01we03"
  }
}
```

Output

None

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