



Aggregates

Cloud Manager Automation

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Aggregates

Get aggregates

You can retrieve a list of available disk aggregates.

1. Select the working environment to use

Perform the workflow [Get working environments](#) and choose the `publicId` value for the working environment used in the `workingEnvironmentId` path parameter.

2. Get the list of aggregates

HTTP method	Path
GET	<code>/occm/api/vsa/aggregates/{workingEnvironmentId}</code>

curl example

```
curl --location --request GET
'https://cloudmanager.cloud.netapp.com/occm/api/vsa/aggregates/<WORKING_ENV_ID>' --header 'Content-Type: application/json' --header 'x-agent-id: <AGENT_ID>' --header 'Authorization: Bearer <ACCESS_TOKEN>'
```

Input

Path parameter `<WORKING_ENV_ID>` (`workingEnvironmentId`)

Output

An array of aggregates for the indicated working environment is returned as shown in the JSON output example.

JSON output example

```
[
  {
    "name": "aggr1",
    "availableCapacity": {
      "size": 87.55,
      "unit": "GB"
    },
    "totalCapacity": {
      "size": 88.57,
      "unit": "GB"
    },
    "usedCapacity": {
      "size": 1.02,
      "unit": "GB"
    }
  },
  ...
]
```

```

"volumes": [
  {
    "name": "svm_ziv01we01_root",
    "totalSize": {
      "size": 1.0,
      "unit": "GB"
    },
    "usedSize": {
      "size": 0.00115203857421875,
      "unit": "GB"
    },
    "thinProvisioned": false,
    "isClone": false,
    "rootVolume": true
  }
],
"providerVolumes": [
  {
    "id": "vol-066fea889cbc6a65c",
    "name": "vol-066fea889cbc6a65c",
    "size": {
      "size": 100.0,
      "unit": "GB"
    },
    "state": "in-use",
    "device": "/dev/xvdg",
    "instanceId": "i-0fa9a2879e67a8829",
    "diskType": "gp2",
    "encrypted": true,
    "iops": null
  }
],
"disks": [
  {
    "name": "NET-1.3",
    "position": "data",
    "ownerNode": "ziv01we01-01",
    "device": "xvdg vol066fea889cbc6a65c",
    "vmDiskProperties": null
  }
],
"state": "online",
"encryptionType": "cloudEncrypted",
"encryptionKeyId": null,
"isRoot": false,
"homeNode": "ziv01we01-01",

```

```

    "ownerNode": "ziv01we01-01",
    "capacityTier": null,
    "capacityTierUsed": null,
    "sidlEnabled": true,
    "snaplockType": "non_snaplock"
  }
]

```

Create aggregate

You can create a new aggregate within a working environment using this workflow.

1. Select the working environment to use

Perform the workflow [Get working environments](#) and choose the `publicId` value for the `workingEnvironmentId` parameter in the JSON input.

2. Create the aggregate

HTTP method	Path
POST	occm/api/vsa/aggregates

curl example

```

curl --location --request POST
'https://cloudmanager.cloud.netapp.com/occm/api/vsa/aggregates' --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.

JSON input example

```

{
  "name": "ziv01agg04",
  "workingEnvironmentId": "VsaWorkingEnvironment-9e6p8LuF",
  "numberOfDisks": 1,
  "diskSize": {
    "size": 100,
    "unit": "GB"
  },
  "providerVolumeType": "gp2"
}

```

Output

None

Add disks to aggregate

You can add disks to an existing aggregate.

1. Select the working environment to use

Perform the workflow [Get working environments](#) and choose the `publicId` value for the `workingEnvironmentId` path parameter.

2. Select the aggregate to delete

Perform the workflow [Get aggregates](#) and choose the `name` value for the `aggregateName` path parameter.

3. Add the disks

HTTP method	Path
POST	<code>/occm/api/vsa/aggregates/{workingEnvironmentId}/{aggregateName}/disks</code>

curl example

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

Input

You must include the following path parameters:

- `<WORKING_ENV_ID>` (`workingEnvironmentId`)
- `<AGGR_NAME>` (`aggregateName`)

Also, the JSON input example includes an input parameter as shown.

JSON input example

```
{
  "numberOfDisks": "1"
}
```

Output

None

Delete aggregate

You can delete an existing disk aggregate.

1. Select the working environment to use

Perform the workflow [Get working environments](#) and choose the `publicId` value for the working environment path parameter.

2. Select the aggregate to delete

Perform the workflow [Get aggregates](#) and choose the `name` value for the aggregate path parameter.

3. Delete the aggregate

HTTP method	Path
DELETE	/occm/api/vsa/aggregates/{workingEnvironmentId}/{aggregateName}

curl example

```
curl --location --request DELETE
'https://cloudmanager.cloud.netapp.com/occm/api/vsa/aggregates/<WORKING_ENV_ID>/<AGGR_NAME>' --header 'Content-Type: application/json' --header 'x-agent-id: <AGENT_ID>' --header 'Authorization: Bearer <ACCESS_TOKEN>'
```

Input

Path parameter <WORKING_ENV_ID> (`workingEnvironmentId`)
Path parameter <AGGR_NAME> (`aggregateName`)

Output

None

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