



Get permutations

Cloud Manager Automation

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You can use the permutations endpoint to retrieve the Cloud Volumes ONTAP configuration information.

1. Get the permutations

HTTP method	Path
GET	/occm/api/vsa/metadata/permutations

curl example

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

Input

There are several optional query parameters you can use:

- region
- version
- license
- instance_type
- default_instance_type
- feature
- latest_only
- ami

Output

The JSON output example includes the list of Cloud Volumes ONTAP configurations.

JSON output example

```

[
  {
    "ontapVersion": "ONTAP-9.9.0X4.T1",
    "license": {
      "type": "cot-explore-paygo",
      "name": "Cloud Volumes ONTAP Explore",
      "description": "Suitable for smaller capacity applications.
Supports up to 2 TB of underlying AWS storage.",
      "subName": "",
      "subDescription": "Support of tiering to object storage is not
included.",
      "capacity_limit": "2TB",
      "platformLicenseRequired": false,
      "default": false,
      "capacityLimit": {"size": 2.0, "unit": "TB"}
    },
    "instanceType": "m5.xlarge",
    "region": {
      "name": "EU",
      "code": "eu-central-1",
      "location": "Frankfurt",
      "s3Region": "eu-central-1"
    },
    "defaultInstance": true,
    "features": ["ena", "kvm", "network-utilization"],
    "upgradeableFrom": ["9.8", "9.9.0"]
  }
]

```

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