



Create a working environment with PAYGO licensing

Cloud Manager Automation

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You can use this workflow to create a new Cloud Volumes ONTAP working environment using pay as you go (PAYGO) licensing. A new volume is also created with the working environment.

Before you begin

You must have a **Connector** for the cloud environment before beginning the workflow. You can create a Connector using the Cloud Manager web user interface. When you create a Connector, Cloud Manager adds the cloud provider account that you deployed the Connector in to your list of available accounts. See the [Cloud Manager documentation](#) for more information.

Also note the following when using PAYGO licensing:

- A marketplace subscription is required.
- A NetApp Support Site (NSS) key is recommended to register the system for support, but it's not required.
- You can add more volumes after creating the working environment.

1. Select the region

Perform the workflow [Get regions](#) and choose the `code` value for the `region` parameter in step 8.

2. Select the workspace

Perform the workflow [Get tenants](#) and choose the `workspacePublicId` value for the `tenantId` parameter in step 8.

3. Select the permutations configuration

Perform the workflow [Get permutations](#) and choose the `ontapVersion` and `license: type` and `instanceType` values for the `vsaMetadata` parameter in step 8.

4. Select the VPC

Perform the workflow [Get VPCs](#) and do the following:

- Choose the `vpcId` value for the `vpcId` parameter in step 8.
- Choose the `cidrBlock` values for the `ips` value of the `volume` parameter in step 8.

5. Select the EBS volume configuration

Perform the workflow [Get EBS volume types](#) and choose the `size` and `supportedVolumeTypes` values for the `ebsVolumeSize` parameter in step 8.

6. Attach a marketplace subscription

Perform the workflow [Attach SaaS subscription](#).

7. Optionally obtain an NSS key

An NSS key is optional when using PAYGO licensing. If needed, you can create a key or select an existing key, and include the NSS key in the `nssAccount` parameter in step 8.

- To create a new NSS key using the Cloud Manager web user interface, perform the task [Add NSS credentials key](#) and choose the `id`.
- To select an existing NSS key, perform the workflow [Get NSS keys](#) and choose the `id` of the required NSS user.

8. Create the working environment

HTTP method	Path
POST	/occm/api/vsa/working-environments

curl example

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

Input

The JSON input example includes the minimum list of parameters.



This request uses PAYGO licensing as indicated in the `licenseType` parameter.

JSON input example

```

{
  "name": "ziv01we02",
  "svmPassword": "user_password",
  "vpcId": "vpc-b16c90d4",
  "region": "us-east-1",
  "tenantId": "tenantIDgoeshere",
  "subnetId": "subnet-f4da95ac",
  "dataEncryptionType": "AWS",
  "vsaMetadata": {
    "ontapVersion": "ONTAP-9.9.0.T1",
    "licenseType": "cot-explore-paygo",
    "instanceType": "m5.xlarge"
  },
  "ebsVolumeSize": {
    "size": 100,
    "unit": "GB"
  },
  "ebsVolumeType": "gp2",
  "volume": {
    "name": "ziv02vol01",
    "size": {
      "size": 200,
      "unit": "GB"
    }
  },
  "exportPolicyInfo": {
    "policyType": "custom",
    "ips": [
      "172.31.0.0/16"
    ],
    "nfsVersion": [
      "nfs3",
      "nfs4"
    ]
  },
  "snapshotPolicyName": "default",
  "enableThinProvisioning": true,
  "enableCompression": true,
  "enableDeduplication": true
},
"writingSpeedState": "NORMAL"
}

```

Output

The JSON output example includes an example of the VsaWorkingEnvironmentResponse.

JSON output example

```
{
  "publicId": "VsaWorkingEnvironment-0NWSblaX",
  "name": "ziv01we02",
  "tenantId": "tenantIDgoeshere",
  "svmName": "svm_ziv01we02",
  "creatorUserEmail": "user_email",
  "status": null,
  "awsProperties": null,
  "reservedSize": null,
  "encryptionProperties": null,
  "clusterProperties": null,
  "ontapClusterProperties": null,
  "actionsRequired": null,
  "interClusterLifs": null,
  "cronJobSchedules": null,
  "snapshotPolicies": null,
  "svms": null,
  "activeActions": null,
  "replicationProperties": null,
  "schedules": null,
  "cloudProviderName": "Amazon",
  "isHA": false,
  "workingEnvironmentType": "VSA",
  "supportRegistrationProperties": null,
  "supportRegistrationInformation": null,
  "haProperties": null,
  "capacityFeatures": null,
  "cloudSyncProperties": null,
  "supportedFeatures": null,
  "k8sProperties": null,
  "fpolicyProperties": null,
  "saasProperties": null,
  "cbsProperties": null,
  "complianceProperties": null,
  "monitoringProperties": null
}
```

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