

03_CVD: Deploy Red Hat OpenShift Container Platform

Install Red Hat OpenShift Container Platform

1. From OCP installer workstation, execute the following command:

```
./openshift-install create cluster --dir=OCP3 --log-level=info
```

2. Provide the info as requested by the installer. Use up/down arrow keys as needed to make selections for each setting.

```
[administrator@FSV-AI-OCP-Installer AIML]$ ./openshift-install create cluster --
dir=OCP3 --log-level=info
? SSH Public Key /home/administrator/.ssh/id_rsa.pub
? Platform vsphere
? vCenter ac09-vcsa.fsv.local
? Username administrator@vsphere.local
? Password [? for help] *****
INFO Connecting to vCenter ac09-vcsa.fsv.local
INFO Defaulting to only available datacenter: FSV_DC
? Cluster /FSV_DC/host/FSV-M7_CL
? Default Datastore /FSV_DC/datastore/FSV-Infra-Datastore1
? Network VM-Network-1193_PG
? Virtual IP Address for API 10.119.3.252
? Virtual IP Address for Ingress 10.119.3.253
? Base Domain fsv.local
? Cluster Name ocp3
? Pull Secret [? for help]
*****
*****INFO Obtaining RHCOS image file from
'https://rhcos.mirror.openshift.com/art/storage/prod/streams/4.13-
9.2/builds/413.92.202307260246-0/x86_64/rhcos-413.92.202307260246-0-
vmware.x86_64.ova?
sha256=4b2caacc4d5dc69aabe3733a86e0a5ac0b41bbe1c090034c4fa33faf582a0476'
INFO The file was found in cache: /home/administrator/.cache/openshift-
installer/image_cache/rhcos-413.92.202307260246-0-vmware.x86_64.ova. Reusing...
INFO Creating infrastructure resources...
INFO Waiting up to 20m0s (until 4:11AM) for the Kubernetes API at
https://api.ocp3.fsv.local:6443...
```

```
INFO API v1.26.9+52589e6 up
INFO Waiting up to 30m0s (until 4:22AM) for bootstrapping to complete...
INFO Destroying the bootstrap resources...
INFO Waiting up to 40m0s (until 4:48AM) for the cluster at
https://api.ocp3.fsv.local:6443 to initialize...
INFO Checking to see if there is a route at openshift-console/console...
INFO Install complete!
INFO To access the cluster as the system:admin user when using 'oc', run 'export
KUBECONFIG=/home/administrator/AIML/OCP3/auth/kubeconfig'
INFO Access the OpenShift web-console here: https://console-openshift-
console.apps.ocp3.fsv.local
INFO Login to the console with user: "kubeadmin", and password: "XXXXXX-YYYYY-ZZZZZ-
ooooo"
INFO Time elapsed: 43m33s
[administrator@FSV-AI-OCP-Installer AIML]$
```