

8. Configure Worker Nodes to Run Storage Services: NetApp HCI for Red Hat OpenShift on RHV

HCI

Dorian Henderson
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Table of Contents

8. Configure Worker Nodes to Run Storage Services: NetApp HCI for Red Hat OpenShift on RHV	1
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To configure the worker nodes to run storage services, complete the following steps:


1. To access storage from the Element system, each of the worker nodes must have iSCSI available and running as a service. To create a machine configuration that can enable and start the `iscsid` service, log in to the OCP web console and navigate to Compute > Machine Configs and click Create Machine Config. Paste the YAML file and click Create.

Create Machine Config

Create by manually entering YAML or JSON definitions, or by dragging and dropping a file into the editor.

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```
1  apiVersion: machineconfiguration.openshift.io/v1
2  kind: MachineConfig
3  metadata:
4    labels:
5      machineconfiguration.openshift.io/role: worker
6    name: worker-iscsi-configuration
7  spec:
8    config:
9      ignition:
10       version: 2.2.0
11      systemd:
12        units:
13          - name: iscsid.service
14            enabled: true
15            state: started
16  osImageURL: ""
```

CreateCancel Download

2. After the configuration is created, it will take approximately 20–30 minutes to apply the configuration to the worker nodes and reload them. Verify whether the machine config is applied by using `oc get mcp` and make sure that the machine config pool for workers is updated. You can also log in to the worker nodes to confirm that the `iscsid` service is running.

```
[user@rhel7 openshift-deploy]$ oc get mcp
NAME      CONFIG                                UPDATED  UPDATING  DEGRADED
master    rendered-master-a520ae930e1d135e0dee7168  True     False     False
worker    rendered-worker-de321b36eeba62df41feb7bc  True     False     False
[user@rhel7 openshift-deploy]$ ssh core@10.63. 172.22 sudo systemctl status iscsid
❏ iscsid.service - Open-iSCSI
   Loaded: loaded (/usr/lib/systemd/system/iscsid.service; enabled; vendor preset:
disabled)
   Active: active (running) since Tue 2020-05-26 13:36:22 UTC; 3 min ago
     Docs: man:iscsid(8)
           man:iscsiadm(8)
  Main PID: 1242 (iscsid)
    Status: "Ready to process requests"
     Tasks: 1
   Memory: 4.9M
      CPU: 9ms
   CGroup: /system.slice/iscsid.service
           └─1242 /usr/sbin/iscsid -f
```



It is also possible to confirm that the MachineConfig has been successfully applied and services have been started as expected by running the `oc debug` command with the appropriate flags.

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