Environment Overview

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You will be interacting with an OpenShift 3.5 cluster that is running on Amazon Web Services. During the lab you will also install Container-Native Storage 3.5. The complete environment consists of the following systems:

- 1 master node
- 1 infrastructure node
- 6 "application" nodes
  - 3 will run workload and the initial Container Native Storage instances
  - 3 will be added to the cluster later
- 1 server running Red Hat Identity Management (IdM, for LDAP authentication)

Role	Internal FQDN
Master Node	master.internal.aws.testdrive.openshift.com

Role	Internal FQDN
Infrastructure Node	infra.internal.aws.testdrive.openshift.com
Application Node #1	node01.internal.aws.testdrive.openshift.com
Application Node #2	node02.internal.aws.testdrive.openshift.com
Application Node #3	node03.internal.aws.testdrive.openshift.com
Application Node #4	node04.internal.aws.testdrive.openshift.com
Application Node #5	node05.internal.aws.testdrive.openshift.com
Application Node #6	node06.internal.aws.testdrive.openshift.com
IdM Server	idm.internal.aws.testdrive.openshift.com

Table 1. Lab Environment Overview

All addresses are internal to the lab environment. The only system you publicly access via SSH and the browser is the OpenShift Master node:

Role	Public FQDN
Master Node	master.647073518612.aws.testdrive.openshift.com

Table 2. Public Lab Access

You will be installing OpenShift Container Platform v3.5 using the advanced installation method, which involves executing various Ansible playbooks. You will also install Container Native Storage v3.5.

Note that references to product documentation will be specifically pointing to the 3.5 versions, but newer software and documentation versions may be available.

Conventions

You will see various code and command blocks throughout these exercises. Some of the command blocks can be copy/pasted directly. Others will require modification of the command before execution. If you see a command block with a red border (see below), the command will require slight modification.

```
some command to modify
```

Logging in

You will only need to SSH into the master node to perform all of these exercises. If you are on Linux or Mac, use the the private key (**PEM** file) you downloaded earlier. Make sure it has the correct permissions:

```
chmod 0400 ~/Downloads/<pem-file-name>
```

Windows users are encouraged to use the PuTTY client. Instructions for how to use SSH keys with PuTTY can be found in their documentation.

If you are on Windows and using PuTTY, you should have downloaded the appropriate private key file (**PPK** file) earlier.

Log on to the master node as `cloud-user`:

```
ssh -i ~/Downloads/<pem-file-name> -l cloud-user master.64
```

The `cloud-user` account has password-less sudo privileges and SSH login on all systems using internal addressing from the table above.

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