Installing Ubuntu 14.04

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Objectives

- Install Ubuntu 14.04 Server
- Add OpenStack Repository
- Update Master Image
- Clone Image to Controller and Compute Nodes
- Configure NTP with Chrony

Lab Environment (Multi-Node)

Virtualization Host
CentOS 7.2
KVM
192.168.56.1

Virtual Machines

controller

Ubuntu 14.04
192.168.56.6

Ubuntu 14.04
192.168.56.7

compute

Install Ubuntu 14.04 Server

Create Master VM Image

14.04 Server

Tasksel SSH

Configure Static IP

Multi-Node Manual Install

When I was first learning OpenStack I was frustrated by automated installers and wanted to understand the install process. For this reason we include a manual install of OpenStack on Ubuntu.

We will, however, use the Packstack install for the main COA series. This makes the manual install optional, whereas, the PackStack install is mandatory if you are to follow the subsequent courses.

```
# apt-get install -y software-properties-common
# add-apt-repository cloud-archive:liberty
# apt-get install -y chrony vim
# apt-get update -y && apt-get dist-upgrade -y
# reboot
```

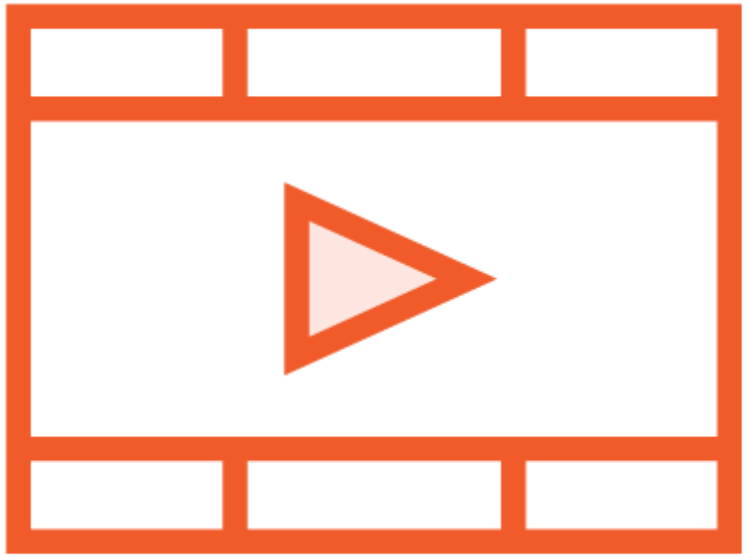
Add the Liberty Repo

We do not want to use the built-in repo for OpenStack. In 14.04 this is the Icehouse release. We also add the Chrony Time Server at this stage before upgrading the system.

Create Master Image

Clone to Controller and Compute Nodes

Configure Chrony



Install 14.04 Server: We can run a clean install of 14.04 Server just adding SSH from the tasksel menu. Add host entries for controller on compute nodes

Add Repo: We don't want to use the Icehouse release of OpenStack which ships with 14.04 so we add the OpenStack Repos

Upgrade: We update and upgrade at this point to make sure that we have the latest patches

Clone: We clone the master image to the Controller Node and Compute node. Then set-up IP Addresses, Host Names and Chrony

Next up: Configure Controller Node