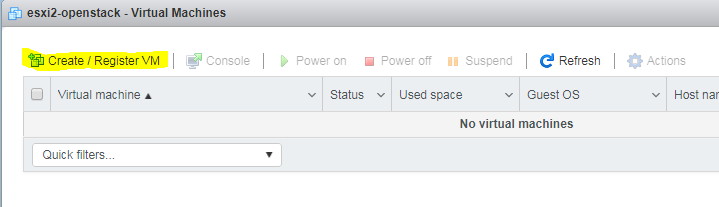
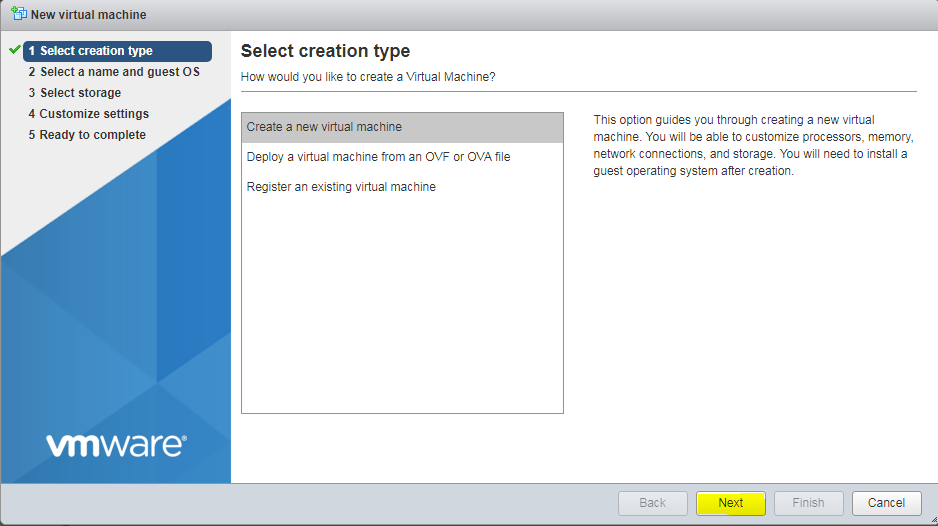
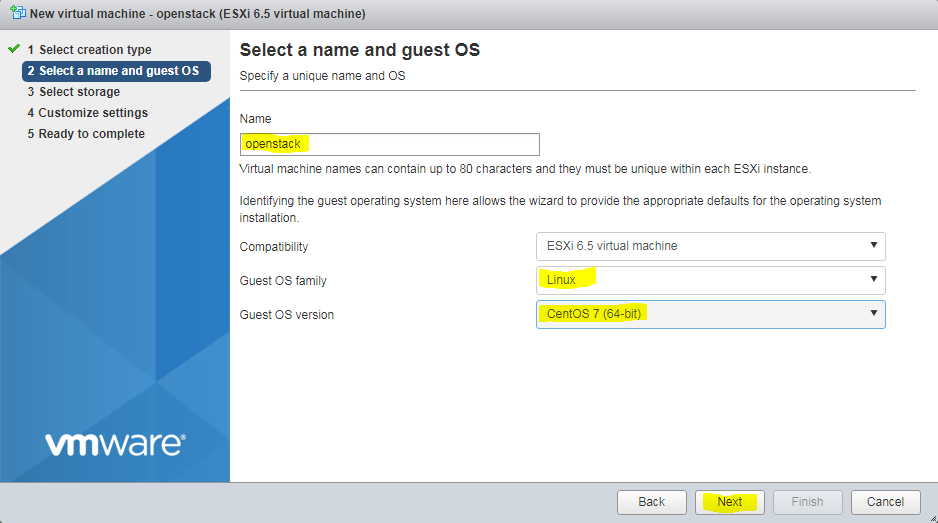
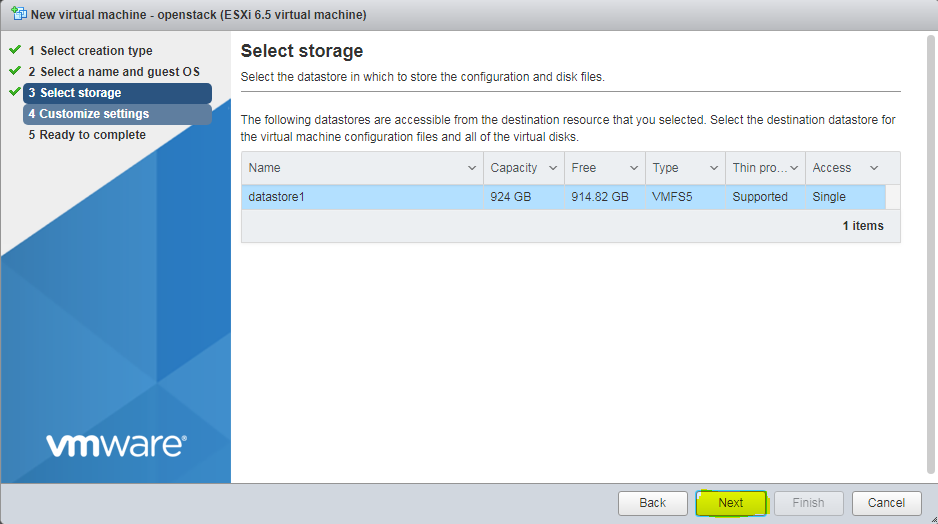
**OpenStack Installation on CentOS 7 using VMware ESXI 6.5.0 hypervisor**

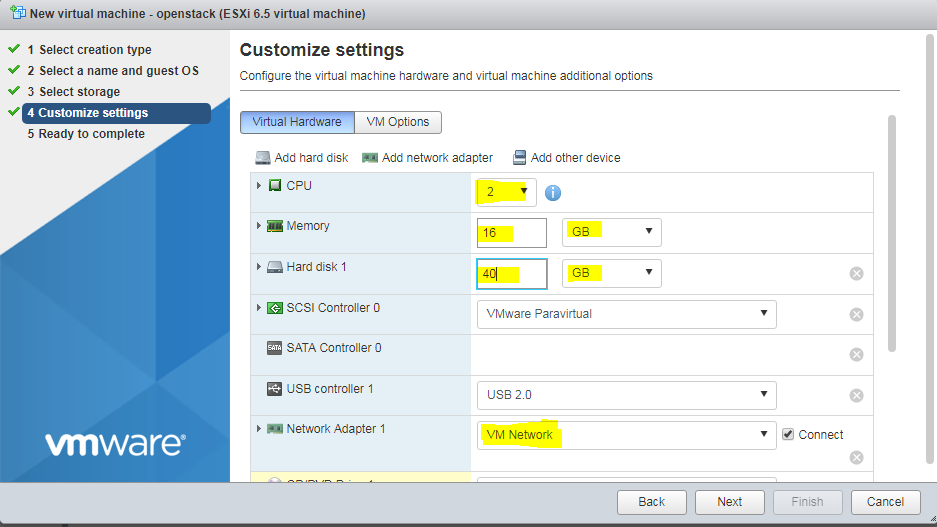
1. **Create a Virtual Machine with CENTOS 7 as a guest operating system on Vmware Hypervisor 1 ( 10.25.96.122 )**



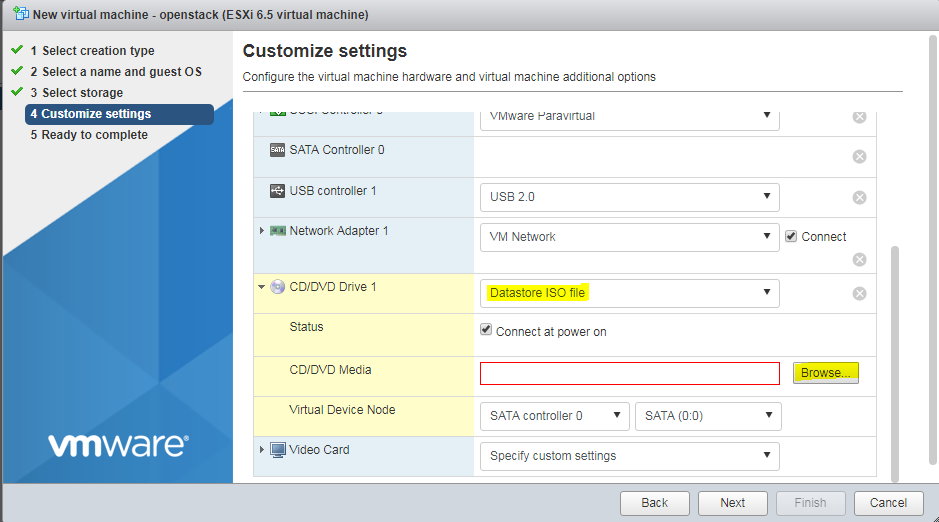


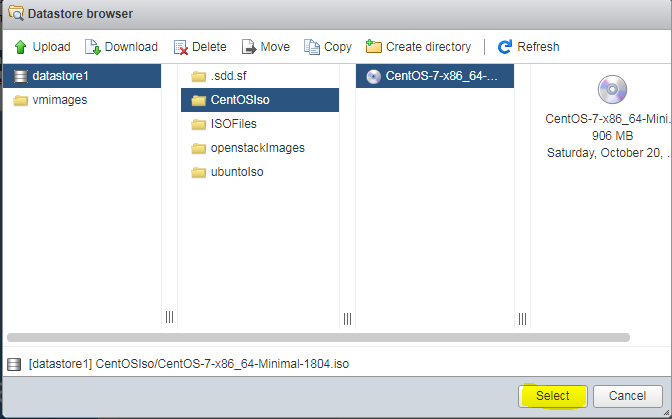


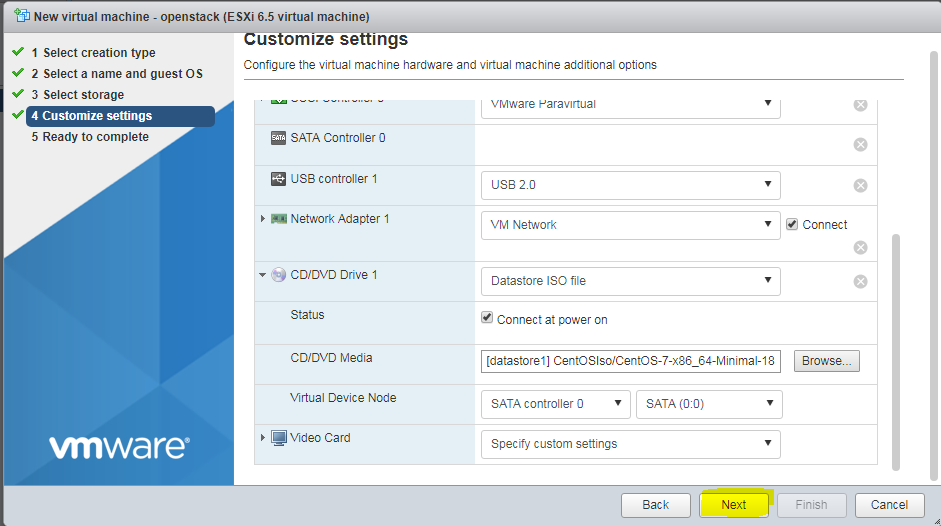


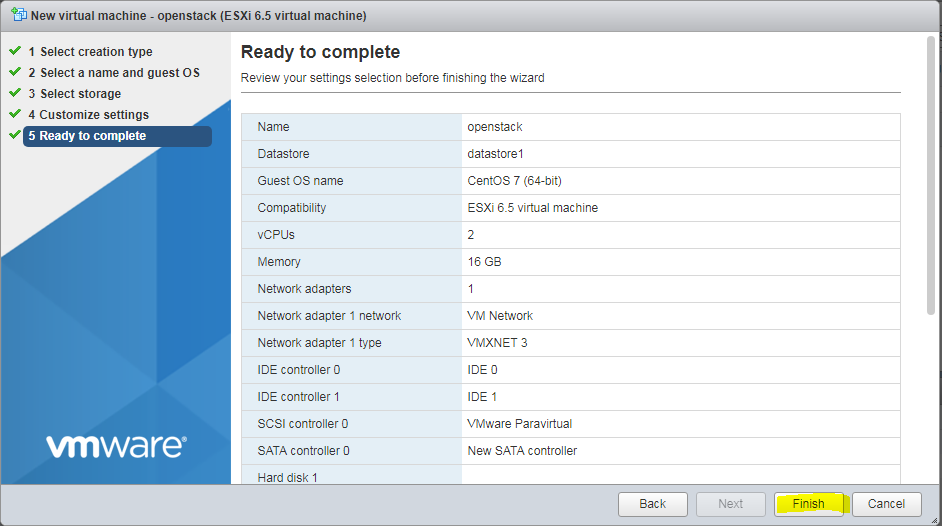


**Attach centOS 7 iso file.**

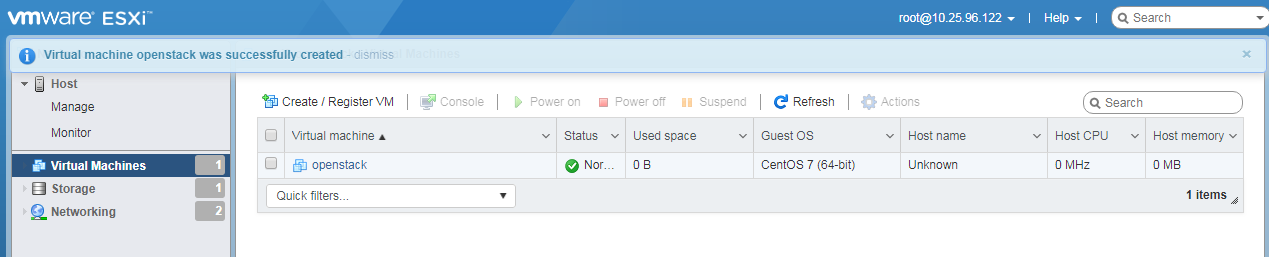




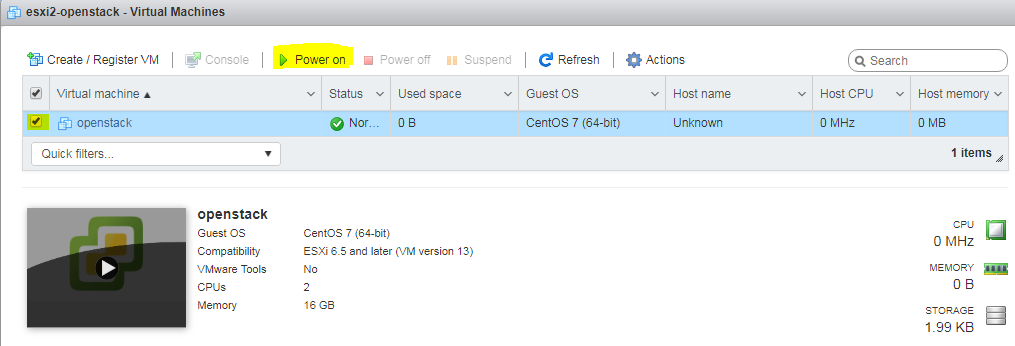




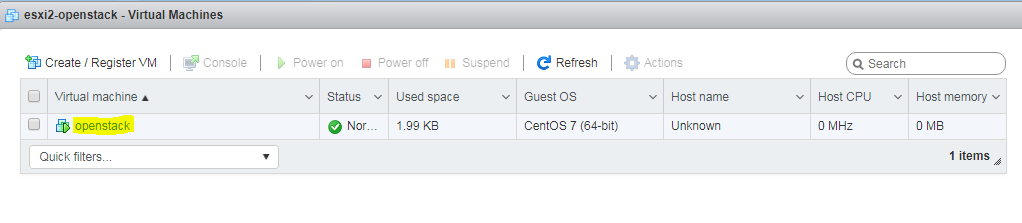
**Virtual Machine ( openstack is the name of VM )installed successfully.**



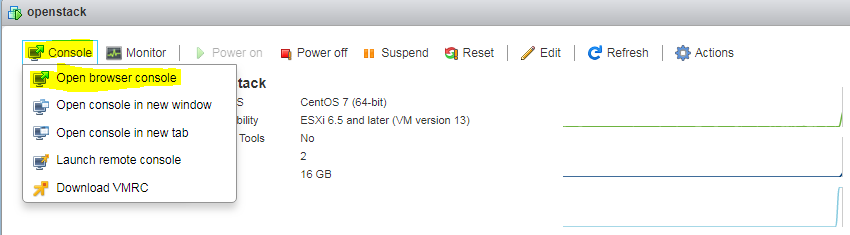
**Select the VM and click on Power On (highlighted below)**



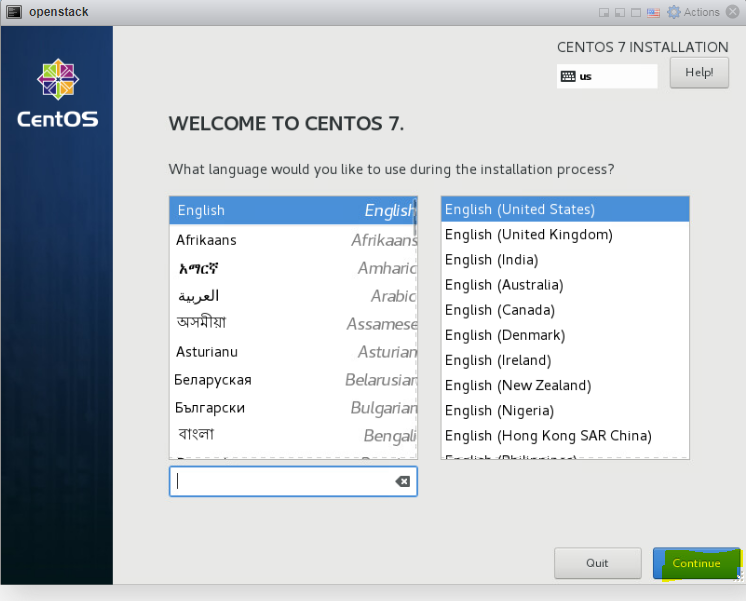
**Click the VM link once it is on**



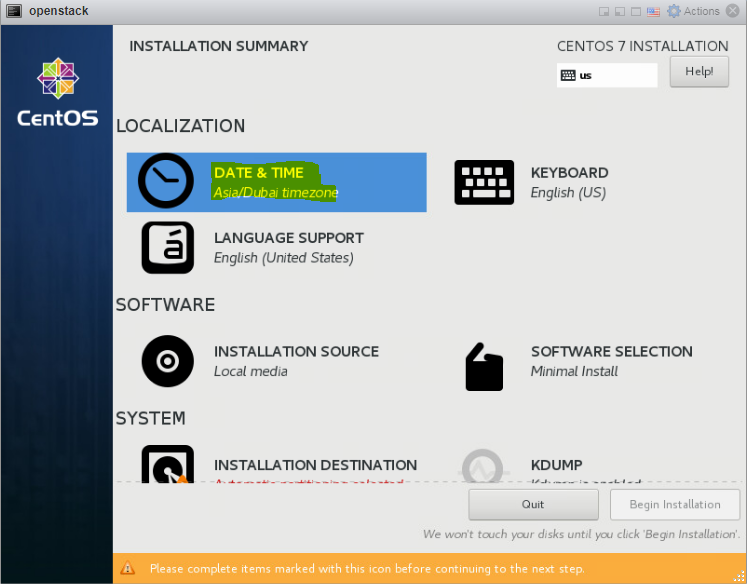
**Open browser console of the VM**



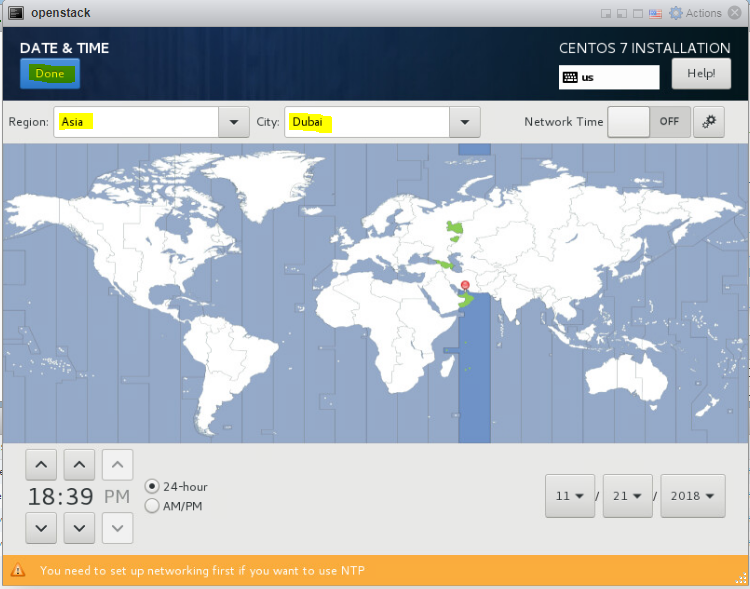
1. **The following steps will install CENTOS 7 as an operating system**



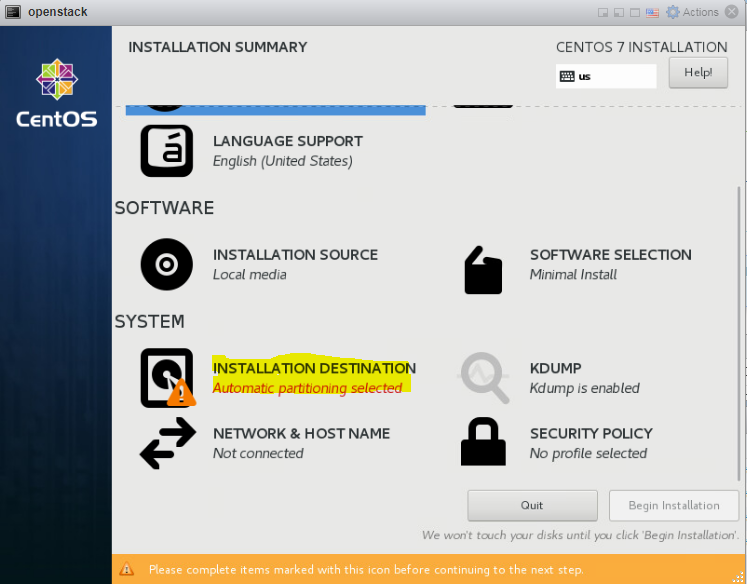
**Choose the appropriate Date and Time Zone**



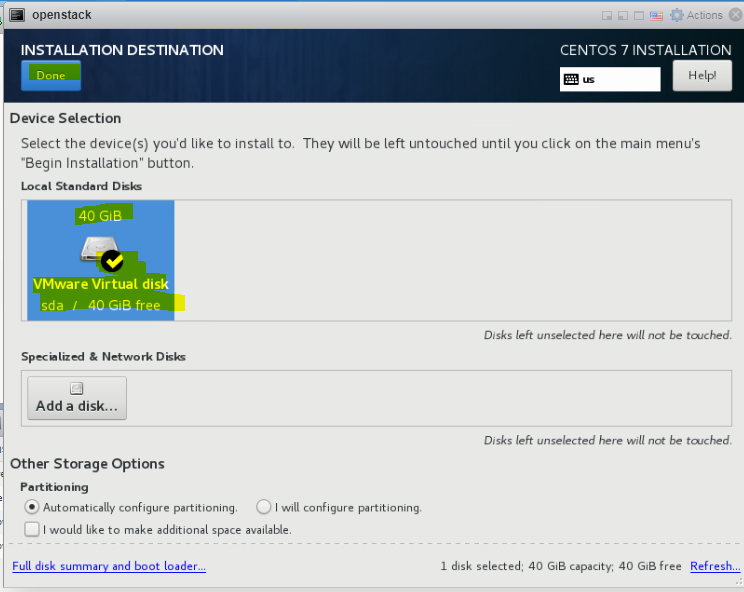
**Set the zone and click on Done**



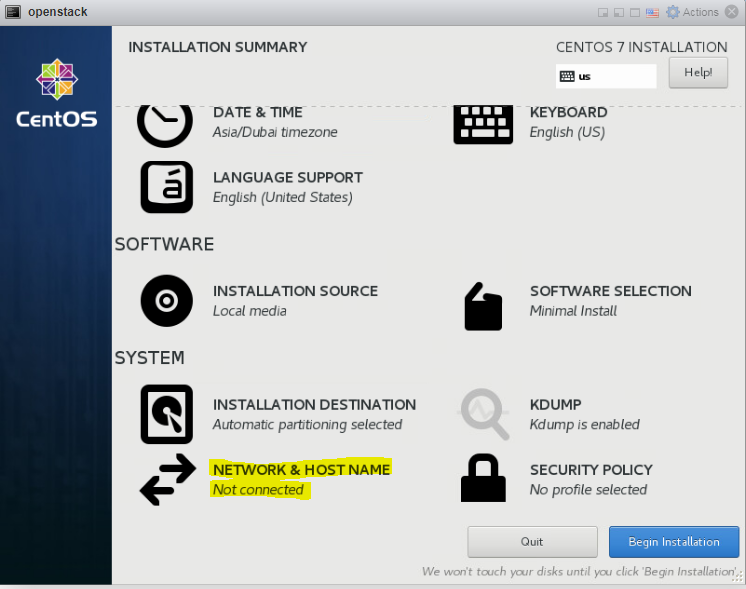
**Click on Installation Destination to attach storage disk.**

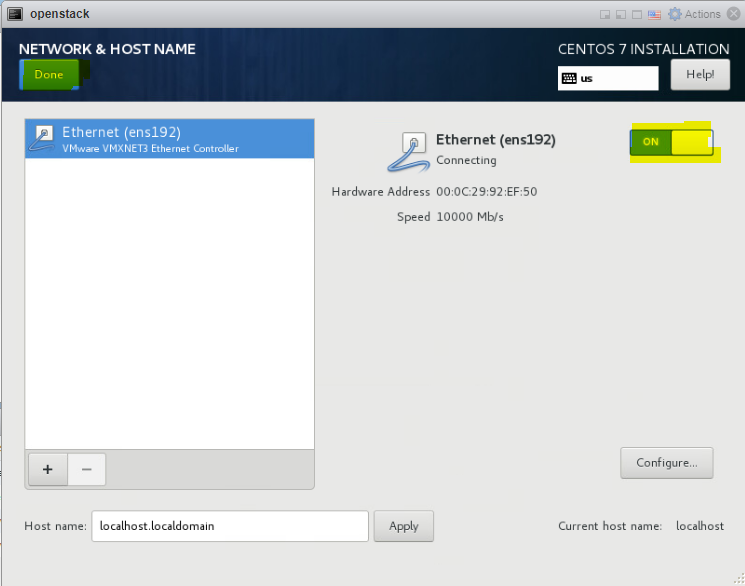


**Select VMware Virtual disk (40 GiB) and click on Done**

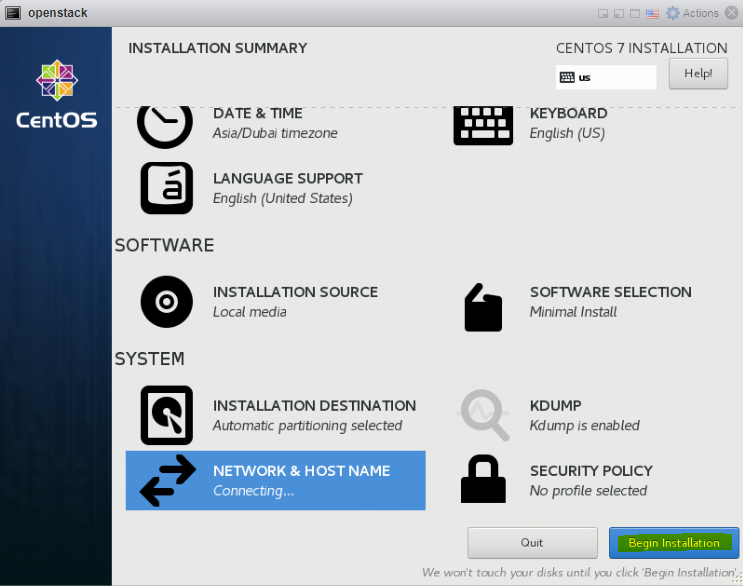


**Select Network & Hostname tab for network configuration**

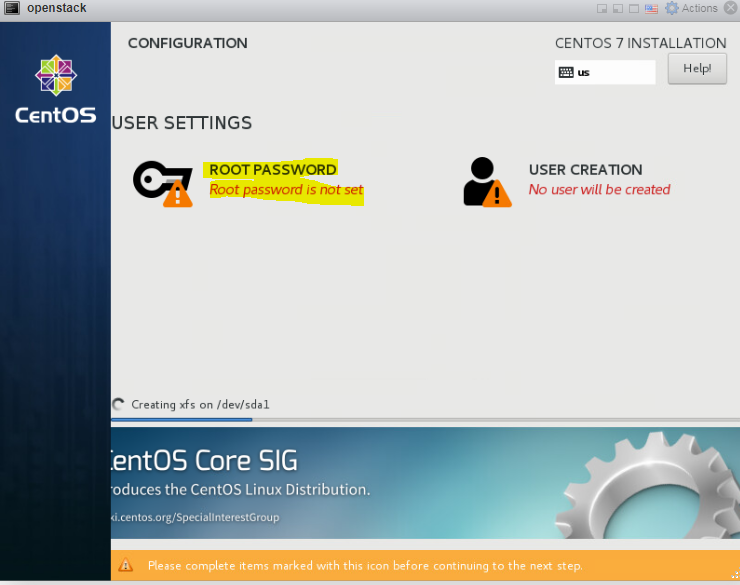


**Switch on the Ethernet (ens192) port and click on Done**

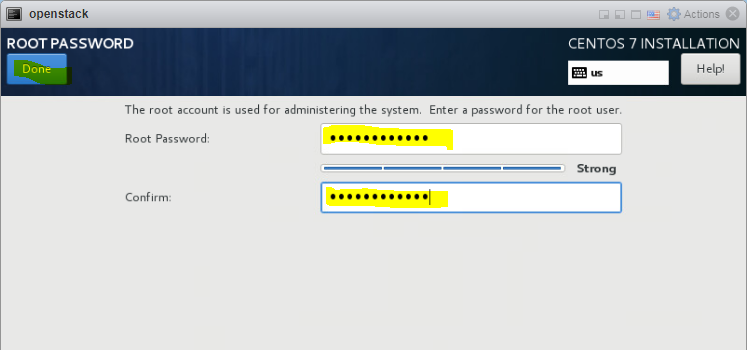
**Begin Installation**



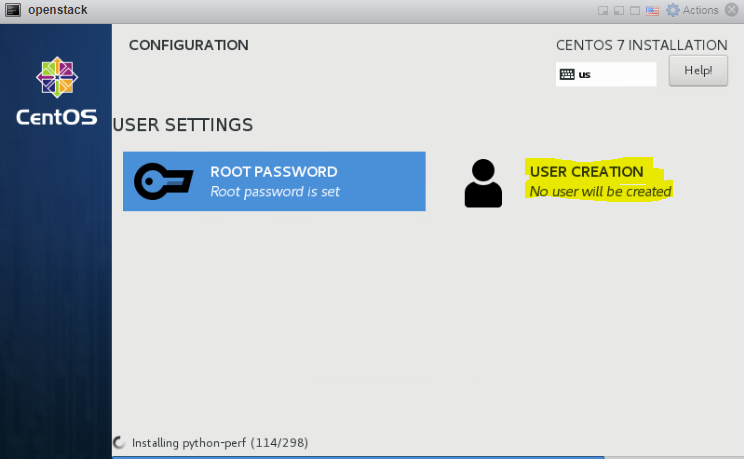
**Click on the ROOT PASSWORD for accessing as root user**



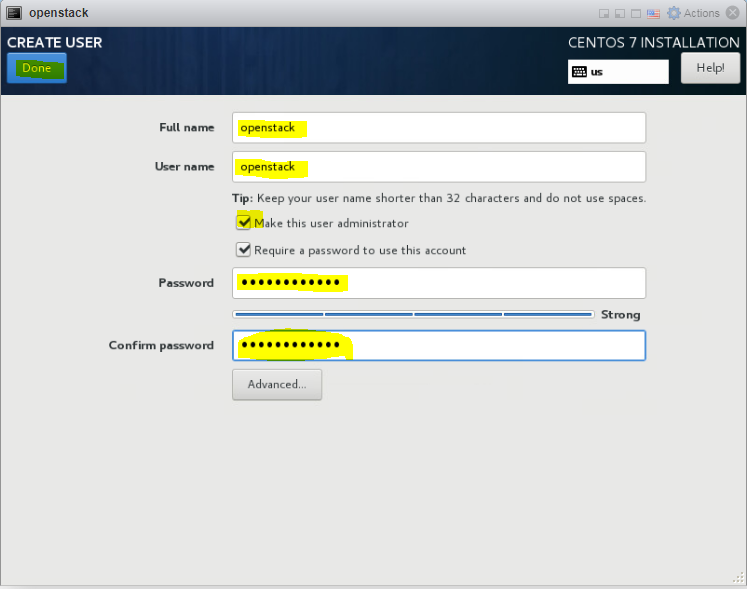
**Set a password on click on Done**



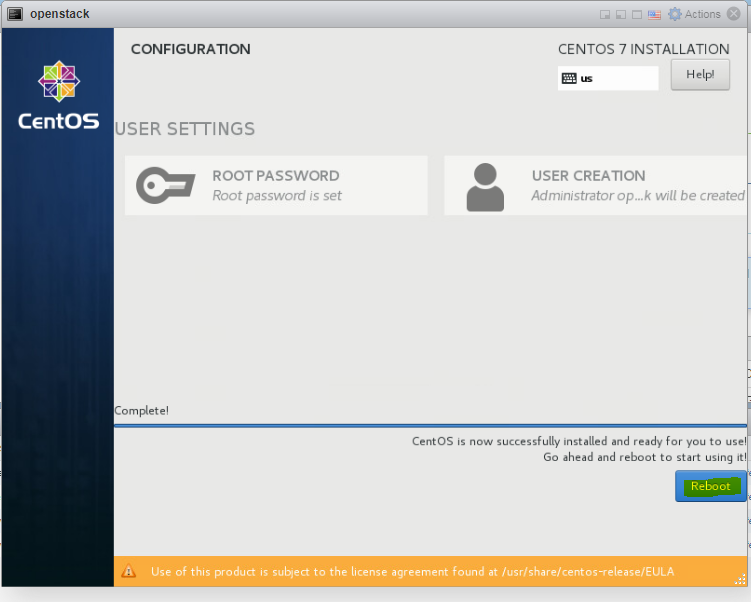
**Select USER CREATION**



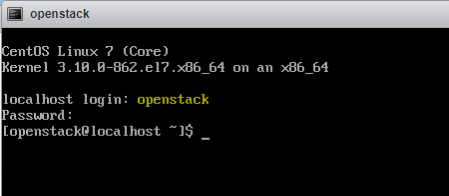
**Name a user (local user ) and set the password and click on Done**



**Installation will take 10-15 mins approximately and click on Reboot once completed .**



**Login as the user ( openstack ) that was configured during installation**



1. **Setup the Static IP for VM**

**---------------------------------------------------------------------------------------------------**

**Prerequisites**

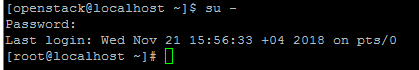
**OS** : **centOS7**

**Memory : 16 GB RAM**

**---------------------------------------------------------------------------------------------------**

**All the tasks shall be performed as a root user.**

**$ sudo –iu root**



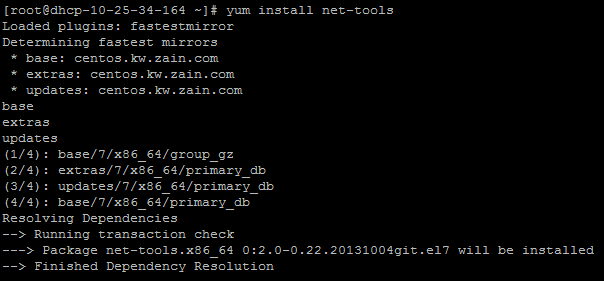
**Check the IP address.**

**Ifconfig –a**



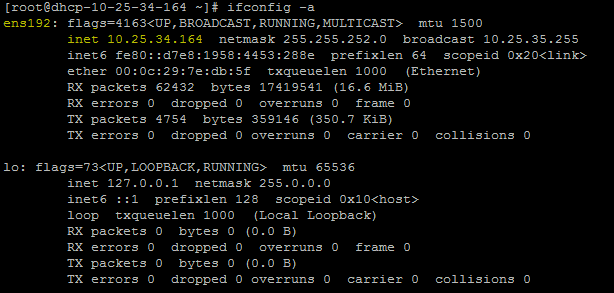
**Install net-tools to get basic commands configured**

**$ yum install net-tools**



**Check the IP again using ifconfig command**

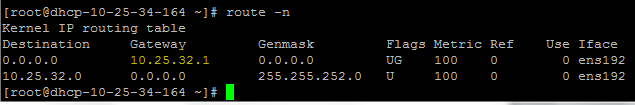
**$ ifconfig -a**



**2. Setting the Static IP**

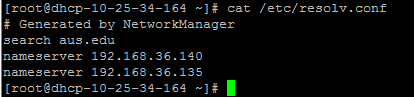
**Check the gateway :**

**$ route –n**



**Check DNS:**

**$ cat /etc/resolve.conf**

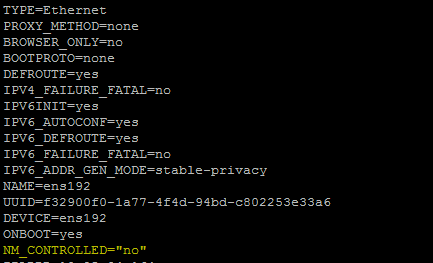


|  |  |  |
| --- | --- | --- |
| **IP address** | **Gateway** | **DNS** |
| **10.25.34.164** | **10.25.32.1** | **192.168.36.140**  **192.168.36.135** |

**Edit ifcfg-ens192 file : Add the following line at the bottom of the ifcfg-ens192 file and save.**

**NM\_CONTROLLED=”no”**

**$ vi /etc/sysconfig/network-scripts/ifcfg-ens192**



**Edit the connection for Ethernet port ens192**

**$ nmtui edit ens192**

**.**

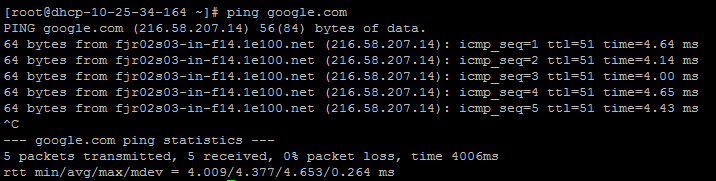
**Restart the network**

**$ service network restart**

**Verify :**

**$ ifconfig –a**

**$ ping google.com**



$ sudo systemctl disable firewalld

$ sudo systemctl stop firewalld

$ sudo systemctl disable NetworkManager

$ sudo systemctl stop NetworkManager

$ sudo systemctl enable network

$ sudo systemctl start network