

1. Update your system with: `sudo yum -y update`
2. Since **PackStack** doesn't handle **NetworkManager** and/or **Firewalld** very well, we must disable them and enable the "legacy" **network** service (it should already be enabled).

```
sudo systemctl disable firewalld
sudo systemctl stop firewalld
sudo systemctl disable NetworkManager
sudo systemctl stop NetworkManager
sudo systemctl enable network
sudo systemctl start network
```

3. Disable selinux enforcement for now:

```
sudo setenforce 0
sudo sed -i s/SELINUX=enforcing/SELINUX=permissive/g
/etc/selinux/config
```

4. Edit `/etc/sysconfig/network-scripts/ifcfg-*` files to change `onboot=no` to `onboot=yes` for your interfaces
5. Run the command `'systemctl restart network'`
6. Check network connectivity by running: `ping 8.8.8.8`
7. Check your interfaces to see if they've both received ip addresses (if you are on a network that serves DHCP).
8. Set a proper hostname for your VM:

```
# hostnamectl set-hostname openstack.training.lab
```

9. Add your IP and hostname to `/etc/hosts`:

For example:

```
127.0.0.1          localhost.localdomain
10.0.0.15          openstack.training.lab
```

10. Check `/etc/resolv.conf` for the 'nameserver' directive, if it is not there, add one with your nameserver (if you have one, otherwise use 8.8.8.8 or 1.1.1.1)

11. Install some prerequisite software:

```
sudo yum -y install centos-release-openstack-rocky
sudo yum -y install python-setuptools
sudo yum -y install openstack-packstack
```

12. All Done. Ready to install OpenStack. I will now guide you through the configuration file and install of an all-in-one openstack system.