1. Steps to create a VNC in RedHat:

http://www.idevelopment.info/data/Unix/Linux/LINUX\_AddGNOMEToCentOSMinimalInstall.shtml#About the Author

sudo yum --exclude=nautilus-sendto groupinstall "GNOME Desktop Environment"

sudo yum -y groupinstall "Desktop" "Desktop Platform" "X Window System" "Fonts"

sudo yum -y groupinstall kde-desktop

sudo yum install vnc-server

vncserver

1. Installing openstack:
   1. Edit the /etc/yum.repos.d/\*.repo files to enable **optional** and **extras** repos
   2. Follow the steps here: <https://www.rdoproject.org/Quickstart>
2. Read the information shown after the install completes:

Additional information:

\* A new answerfile was created in: /root/packstack-answers-20150411-113112.txt

\* Time synchronization installation was skipped. Please note that unsynchronized time on server instances might be problem for some OpenStack components.

\* File /root/keystonerc\_admin has been created on OpenStack client host 172.31.26.14. To use the command line tools you need to source the file.

\* To access the OpenStack Dashboard browse to http://172.31.26.14/dashboard .

Please, find your login credentials stored in the keystonerc\_admin in your home directory.

\* To use Nagios, browse to http://172.31.26.14/nagios username: nagiosadmin, password: f138cf2add5a4c90

\* The installation log file is available at: /var/tmp/packstack/20150411-113112-G6UXry/openstack-setup.log

\* The generated manifests are available at: /var/tmp/packstack/20150411-113112-G6UXry/manifests

1. systemctl enable openstack-keystone
2. To start openstack-nova-network:

yum install openstack-nova-network

systemctl start openstack-nova-network

1. To start neutron-lbaas-agent

<https://access.redhat.com/documentation/en-US/Red_Hat_Enterprise_Linux_OpenStack_Platform/4/html/Installation_and_Configuration_Guide/Configuring_Load_Balancing_as_a_Service_LBaas.html>

After following the above steps, if neutron-server fails to start, modify /usr/share/neutron/neutron-dist.conf as per this link and restart neutron-server

<https://github.com/rcbops/chef-cookbooks/issues/803>

1. To add a service to start on boot:

chkconfig neutron-lbaas-agent on

1. To configure keystone

<https://access.redhat.com/documentation/en-US/Red_Hat_Enterprise_Linux_OpenStack_Platform/2/html/Getting_Started_Guide/chap-Deploying_Identity_Services.html>

Configuring MySQL: <http://www.cyberciti.biz/faq/how-to-install-mysql-under-rhel/>

Other useful links:

* <https://wiki.openstack.org/wiki/Packstack>
* <https://access.redhat.com/documentation/en-US/Red_Hat_Enterprise_Linux_OpenStack_Platform/2/html/Getting_Started_Guide/ch06s03s02.html#tab-PackStack_Configuration_Keys>
* <https://access.redhat.com/documentation/en-US/Red_Hat_Enterprise_Linux_OpenStack_Platform/3/html-single/Getting_Started_Guide/index.html>

1. OpenStack Installation Guide for Red Hat Enterprise Linux 7, CentOS 7, and Fedora 20: <http://docs.openstack.org/juno/install-guide/install/yum/content>
2. Installing and configuring the dashboard: <http://docs.openstack.org/juno/install-guide/install/yum/content/install_dashboard.html>
3. Command to find default gateway

routel

Command to get network mask

ifconfig

Command to get IP address (look for inet in the output)

ip addr show eth0

1. SQL command to grant permissions to root:

GRANT ALL PRIVILEGES ON \*.\* TO 'root'@'controller' IDENTIFIED BY 'aws123';

5aaed0c4ce8604cd2291

GRANT ALL PRIVILEGES ON glance.\* TO 'glance'@'localhost' IDENTIFIED BY 'aws123';

GRANT ALL PRIVILEGES ON glance.\* TO 'glance'@'%' IDENTIFIED BY 'aws123';

neutron subnet-create ext-net --name ext-subnet --allocation-pool start=172.31.0.101,end=172.31.0.200 --disable-dhcp --gateway 172.31.0.1 172.31.0.0/20

Accessing the dashboard: <https://bugzilla.redhat.com/show_bug.cgi?id=1119920>

You must configure the rabbit\_password key in the configuration file for each OpenStack service that uses the message broker.

1. For error: **RDO] packstack installation failed with "Error: /Stage[main]/Apache::Service/Service[httpd]: Failed to call refresh: Could not start Service[httpd]: Execution of '/sbin/service httpd start' returned 1: Redirecting to /bin/systemctl start httpd.service"**

<https://bugzilla.redhat.com/show_bug.cgi?id=1207098>

1. Use route -n to get the default gateway IP address

neutron subnet-create --name ext\_subnet --disable-dhcp ext\_net 192.168.56.0/24 --gateway 172.31.16.1 --allocation-pool start=192.168.56.161,end=192.168.56.190