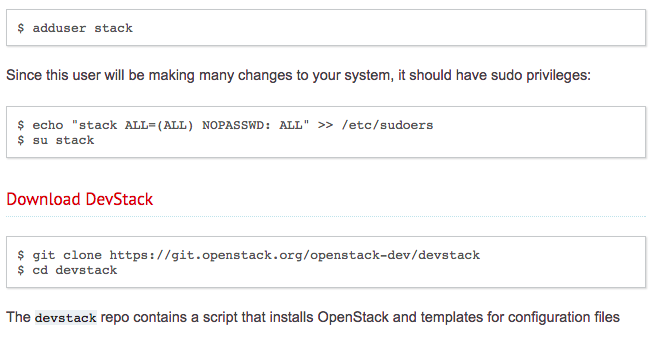


**OPENSTACK INSTALLATION PROCEDURE**

* Install Ubuntu 14/16 on VMware Fusion
* Open terminal and use the following commands:



* Now add the following in a local.conf file in the Devstack folder

[[local|localrc]]

#OFFLINE=True

RECLONE=yes

#export PS4='+(${BASH\_SOURCE}:${LINENO}): ${FUNCNAME[0]:+${FUNCNAME[0]}(): }'

DEBUG=True

VERBOSE=True

IP\_VERSION=4

API\_WORKERS=1

#Add your own host IP

HOST\_IP=172.29.74.139

PIP\_UPGRADE=True

our\_pw=simple

# Must use hard coded value, as scripts grep for the following variables.

MYSQL\_PASSWORD=$our\_pw

RABBIT\_PASSWORD=$our\_pw

SERVICE\_TOKEN=$our\_pw

SERVICE\_PASSWORD=$our\_pw

ADMIN\_PASSWORD=$our\_pw

disable\_service n-net

enable\_service neutron

enable\_service q-svc

enable\_service q-agt

disable\_service q-l3

enable\_service q-dhcp

enable\_service n-novnc

disable\_service cinder c-sch c-api c-vol

disable\_service tempest

enable\_service nova n-api n-crt n-cpu n-cond n-sch n-cauth

enable\_service glance g-api g-reg

#enable\_service ciscocfgagent

#enable\_service q-ciscorouter

DEST=/opt/stack

SCREEN\_LOGDIR=$DEST/logs

LOGFILE=$DEST/logs/stack.sh.log

# Settings to get NoVNC to work.

VNCSERVER\_LISTEN=$HOST\_IP

VNCSERVER\_PROXYCLIENT\_ADDRESS=$HOST\_IP

[[post-config|$NOVA\_CONF]]

[DEFAULT]

osapi\_compute\_workers = 1

metadata\_workers = 1

#[[post-config|/etc/neutron/neutron.conf]]

Q\_PLUGIN=ml2

ENABLE\_TENANT\_VLANS=True

Q\_ML2\_TENANT\_NETWORK\_TYPE=vlan

# Neutron

#NEUTRON\_BRANCH=stable/ocata

#NEUTRON\_BRANCH=stable/liberty

# Neutron client

#NEUTRONCLIENT\_REPO=${GIT\_BASE}/CiscoSystems/python-neutronclient.git

#NEUTRONCLIENT\_BRANCH=cisco\_extensions

#NEUTRONCLIENT\_BRANCH=cisco\_stable\_liberty

#NEUTRONCLIENT\_BRANCH=stable/liberty

# Requirements

#REQUIREMENTS\_BRANCH=stable/ocata

#REQUIREMENTS\_BRANCH=stable/liberty

# Keystone

#KEYSTONE\_BRANCH=stable/ocata

#KEYSTONE\_BRANCH=stable/liberty

# Glance

#GLANCE\_BRANCH=stable/ocata

#GLANCE\_BRANCH=stable/liberty

# Horizon

#HORIZON\_BRANCH=stable/ocata

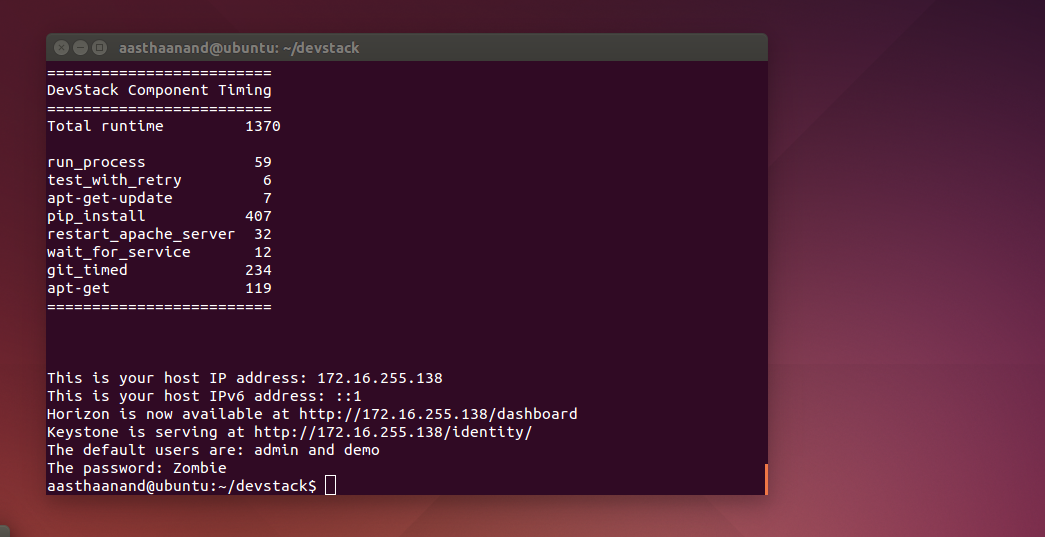
#HORIZON\_BRANCH=stable/liberty

# Nova

#NOVA\_BRANCH=stable/ocata

#NOVA\_BRANCH=stable/liberty

* In case errors appear try these otherwise use Stackoverflow.
* sudo usermod –a –G www-data stack
* sudo chgrp –R www-data /home/stack
* sudo chmod –R g+w /home/stack
* sudo find /home/stack –type d –exec chmod 2775 {} \;
* sudo find /home/stack –type f –exec chmod ug+rw {} \;
* then run ./stack.sh
* After the process is complete:



Go to the url provided at: Horizon is now available at: