Update the Ubuntu system

sudo apt-get update
sudo apt-get upgrade

Creating Stack User

sudo useradd -s /bin/bash -d /opt/stack -m stack

Edit File for permissions:
sudo vim /etc/sudoers.d/stack
        stack ALL=(ALL) NOPASSWD:ALL

sudo visudo
        # under line root   ALL=(ALL:ALL) ALL
        stack   ALL=(ALL) NOPASSWD:ALL

Switch to stack user

sudo su -l stack

Clone the devstack repo from git

git clone http://git.openstack.org/openstack-dev/devstack -b stable/rocky

cd devstack/

Creating local.conf

vim local.conf

[[local|localrc]]
ADMIN_PASSWORD=qwe123
DATABASE_PASSWORD=$ADMIN_PASSWORD
RABBIT_PASSWORD=$ADMIN_PASSWORD
SERVICE_PASSWORD=$ADMIN_PASSWORD

HOST_IP=192.168.56.101

enable_service c-bak
enable_service swift

CEILOMETER_BACKEND=gnocchi
enable_plugin ceilometer https://git.openstack.org/openstack/ceilometer stable/rocky
enable_plugin gnocchi https://github.com/gnocchixyz/gnocchi stable/4.2
enable_plugin aodh https://git.openstack.org/openstack/aodh

Adding hostname

sudo vim /etc/hosts

192.168.56.101 devstack stack

Screen to maintain SSH

screen
screen -ls
screen -r <screen name>
Screen -rd <screen name incase not detached>

Start installation

./stack.sh

!!!! INFO
This is your host IP address: 192.168.56.101
This is your host IPv6 address: ::1
Horizon is now available at http://192.168.56.101/dashboard
Keystone is serving at http://192.168.56.101/identity/
The default users are: admin and demo
The password: qwe123

Sourcing the variables

source openrc

Check if everything is in place

openstack image list

Login : http://192.168.56.101/dashboard/project/
Username: admin
Password: qwe123