**Submitted By: Annie Jain** 

Sap Id: 500083967

Roll No: R214220179

**Batch: B3 Hons** 

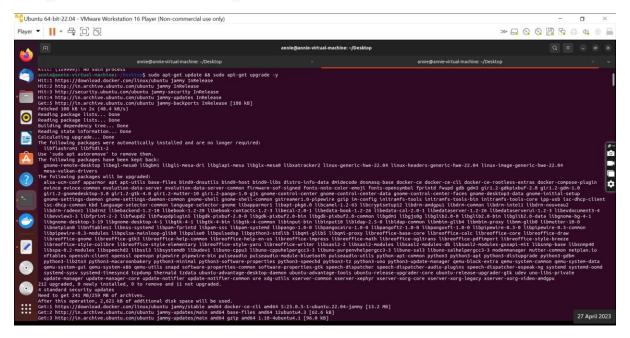
# **CLOUD APPLICATION DEVELOPMENT**

# <u>Lab 1</u>

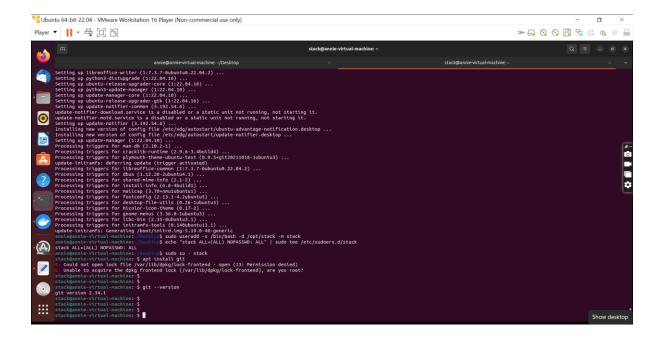
#### **Problem Statement**

Installing OpenStack: Install OpenStack on a virtual machine or a physical server. You can use DevStack, which is a tool for installing OpenStack on a single machine. You can also use a tool like Packstack, which is a multi-node installation tool for OpenStack.

sudo apt-get update && sudo apt-get upgrade -y

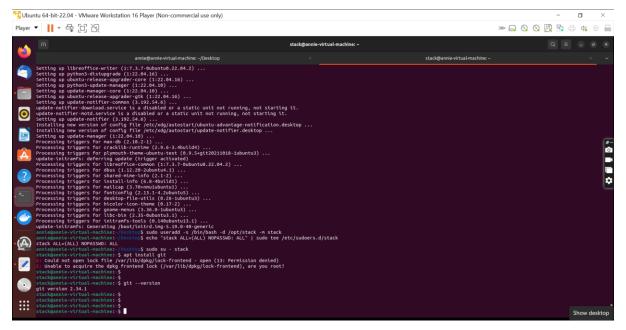


sudo useradd -s /bin/bash -d /opt/stack -m stack
echo "stack ALL=(ALL) NOPASSWD: ALL" | sudo tee /etc/sudoers.d/stack



## Installation of git is done

### git --version



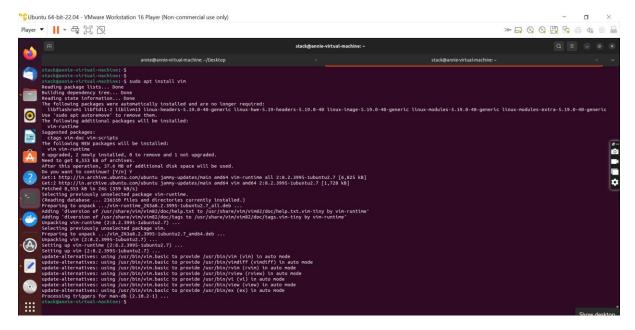
sudo su - stack

git clone https://opendev.org/openstack/devstack

```
stack@annie-virtual-machine:-$ sudo su - stack
su: user - does not exist or the user entry does not contain all the required fields
stack@annie-virtual-machine:-$ sudo su - stack
stack@annie-virtual-machine:-$ git clone https://opendev.org/openstack/devstack
Cloning into 'devstack'...
remote: Enumerating objects: 30303, done.
remote: Counting objects: 100% (30303/30303), done.
remote: Compressing objects: 100% (10044/10044), done.
remote: Total 49921 (delta 29576), reused 20259 (delta 20259), pack-reused 19618
Receiving objects: 100% (49921/49921), 9.20 MiB | 84.00 KiB/s, done.
Resolving deltas: 100% (35455/35455), done.
stack@annie-virtual-machine:-$
```

#### Installation of vim

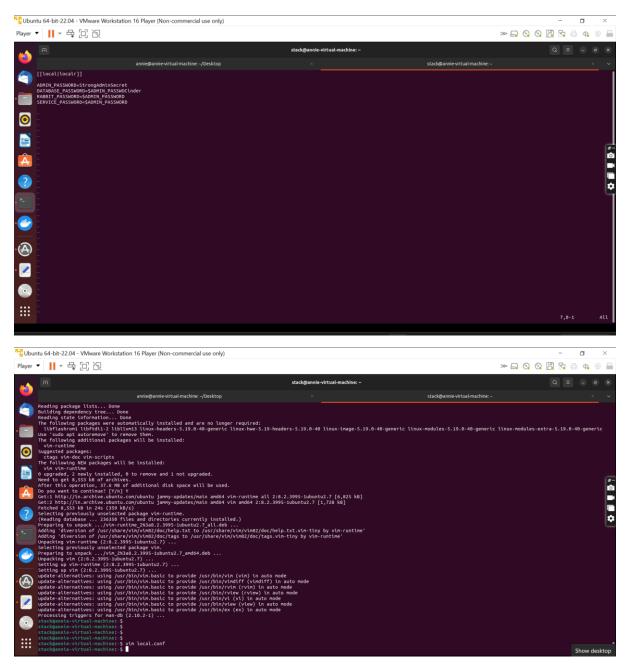
### sudo apt install vim



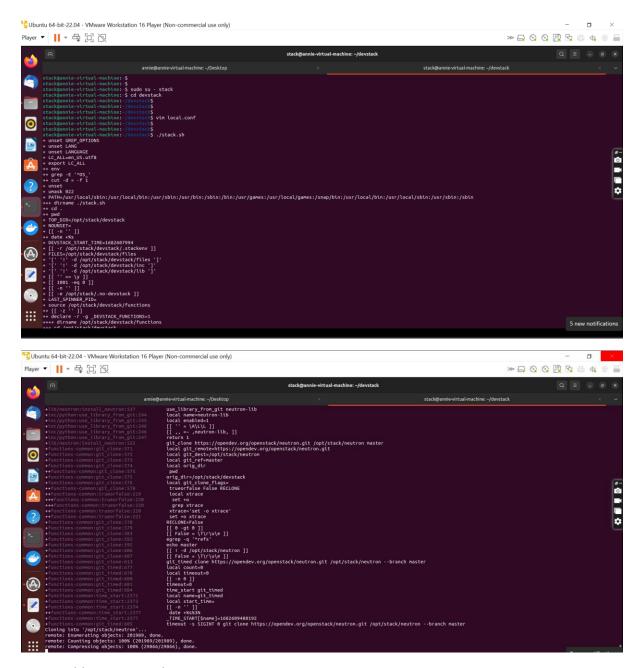
vim local.conf

[[local|localr]]

ADMIN\_PASSWORD=StrongAdminSecret
DATABASE\_PASSWORD=\$ADMIN\_PASSWOCinder
RABBIT\_PASSWORD=\$ADMIN\_PASSWORD
SERVICE\_PASSWORD=\$ADMIN\_PASSWORD



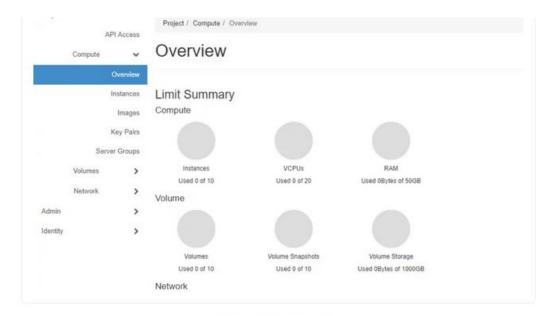
./stack.sh



https://server-ip/dashboard



Openstack Login



OpenStack Dashboard