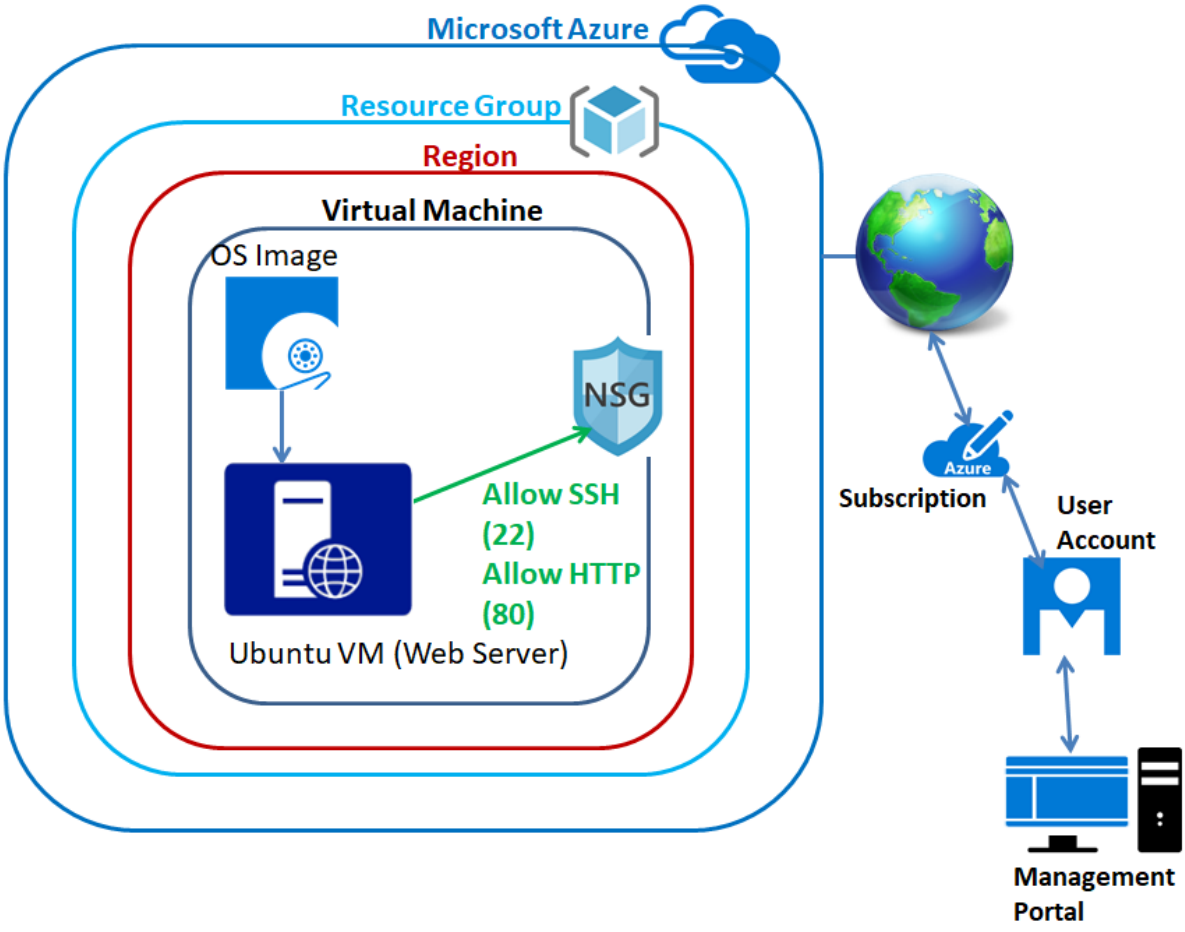
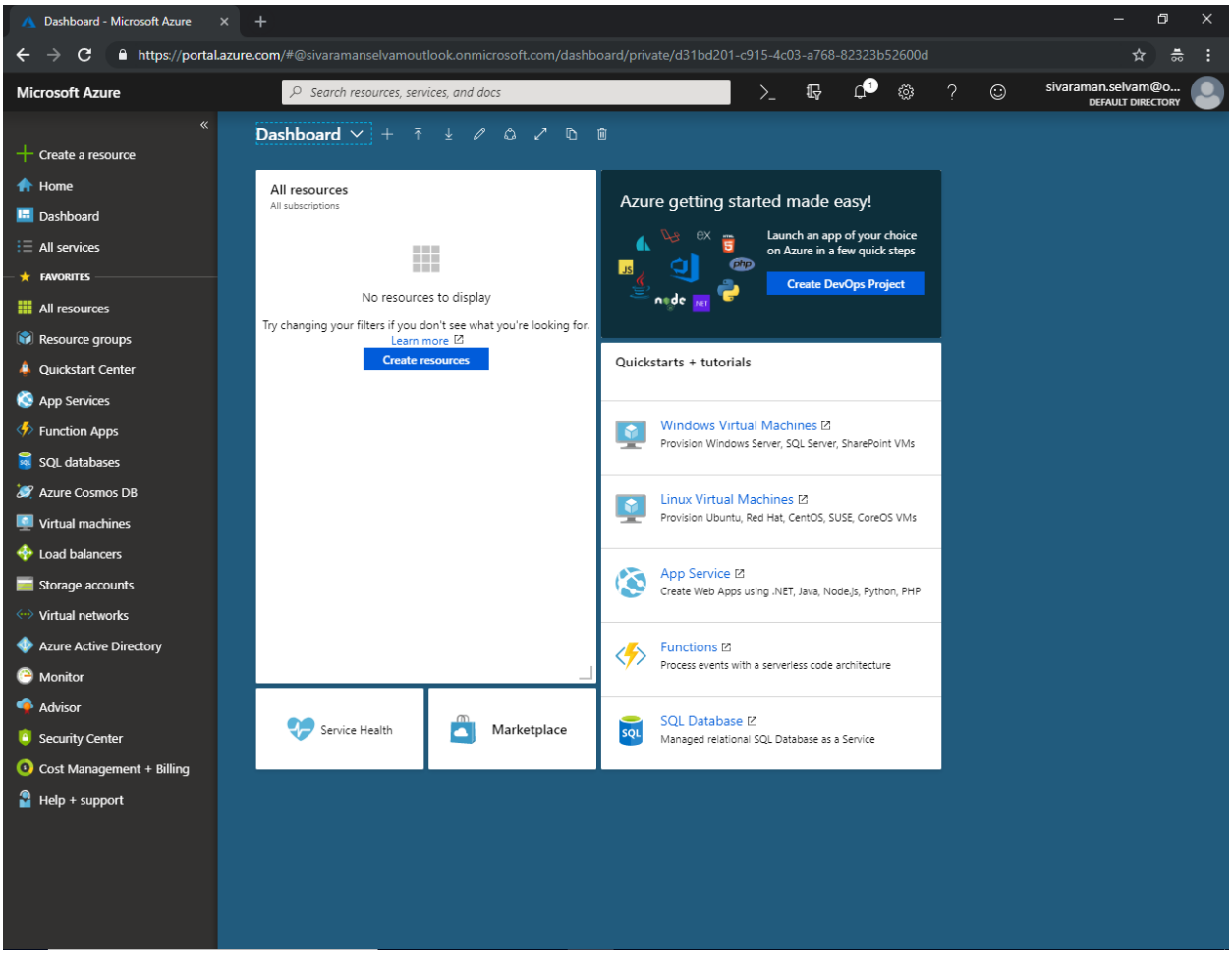
Lab4 – Installing Apache in Ubuntu Virtual Machine - Azure

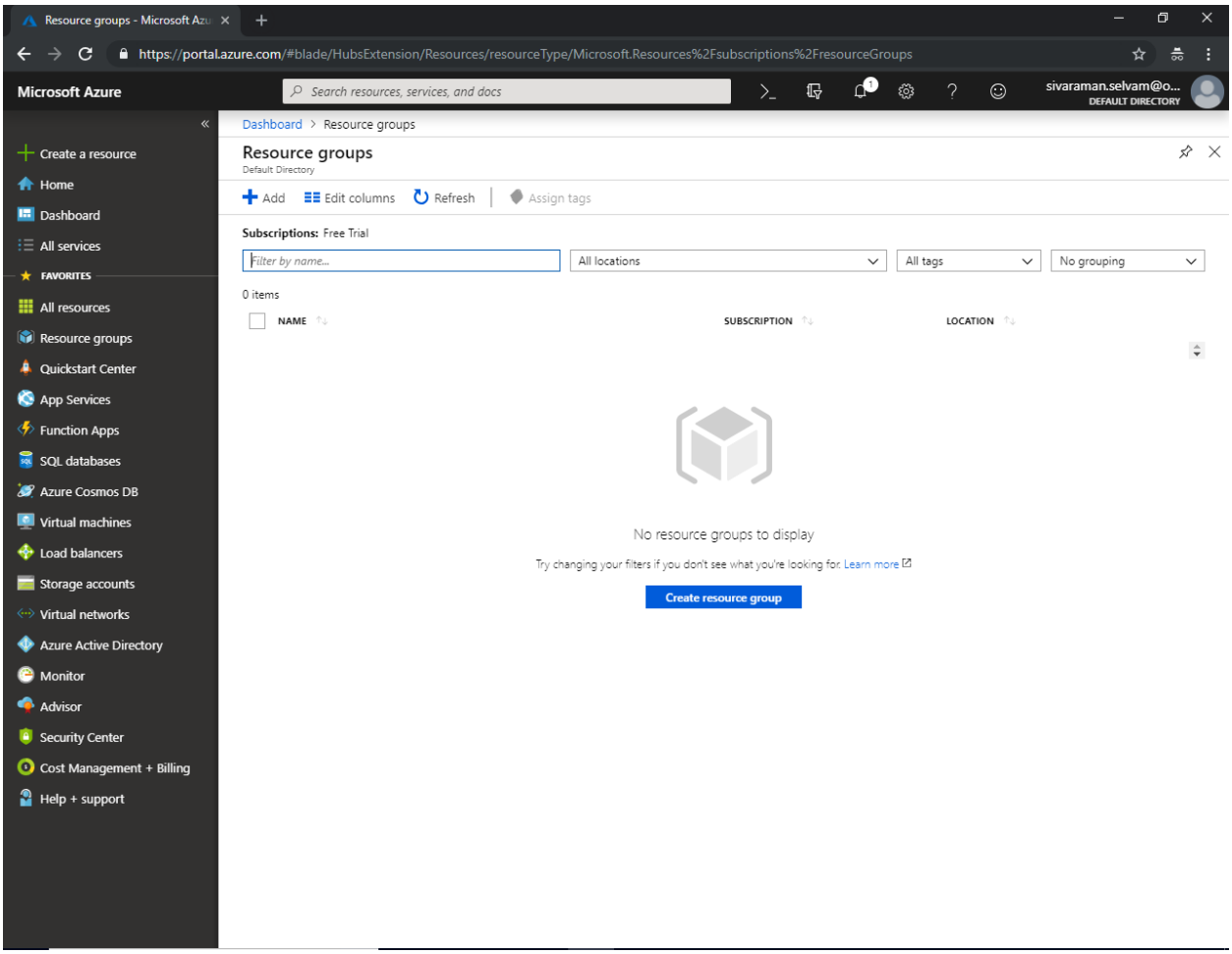
Topology



In Azure portal, click **“Resource groups”** in left side panel.

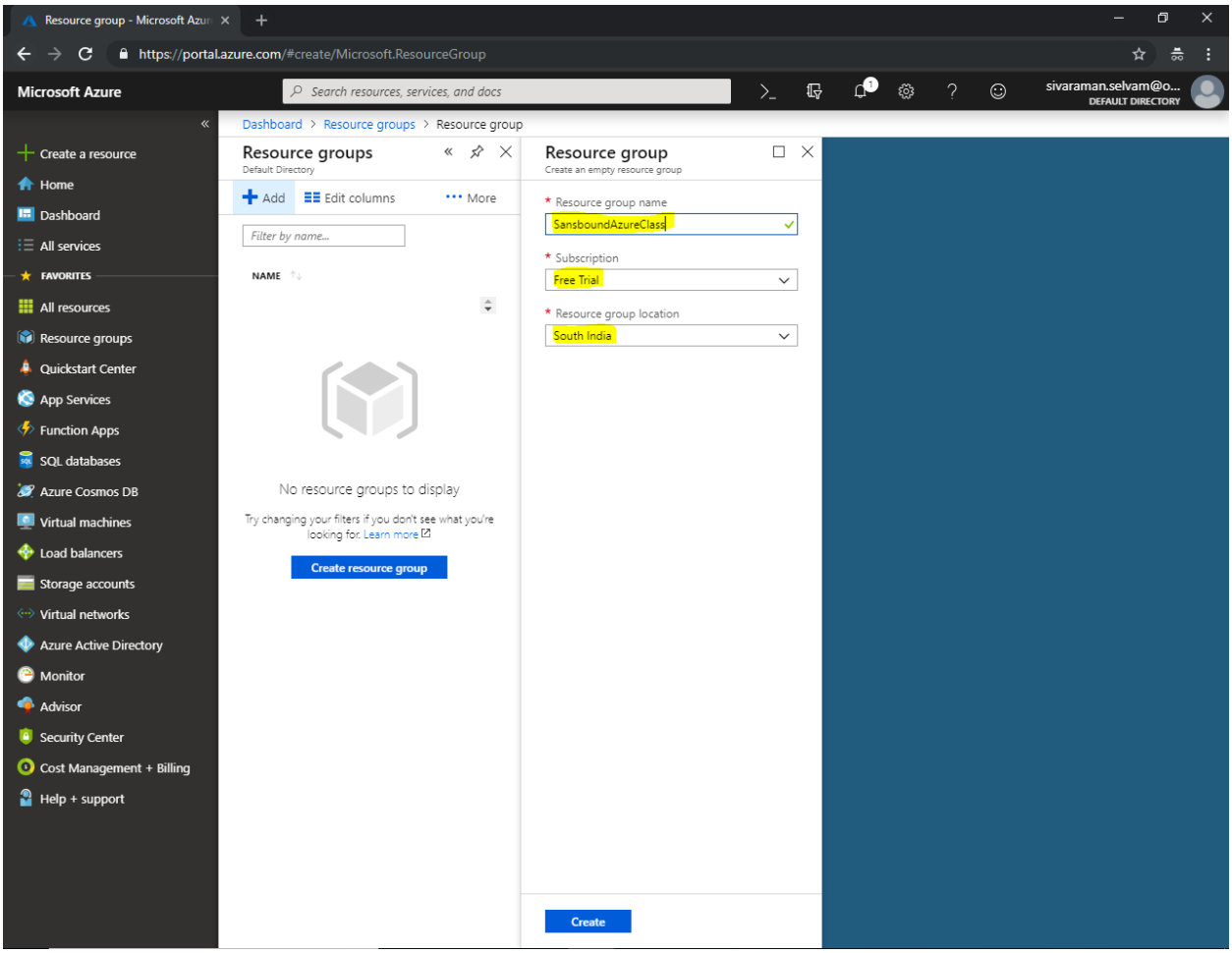


In "Resource groups" click "Add"

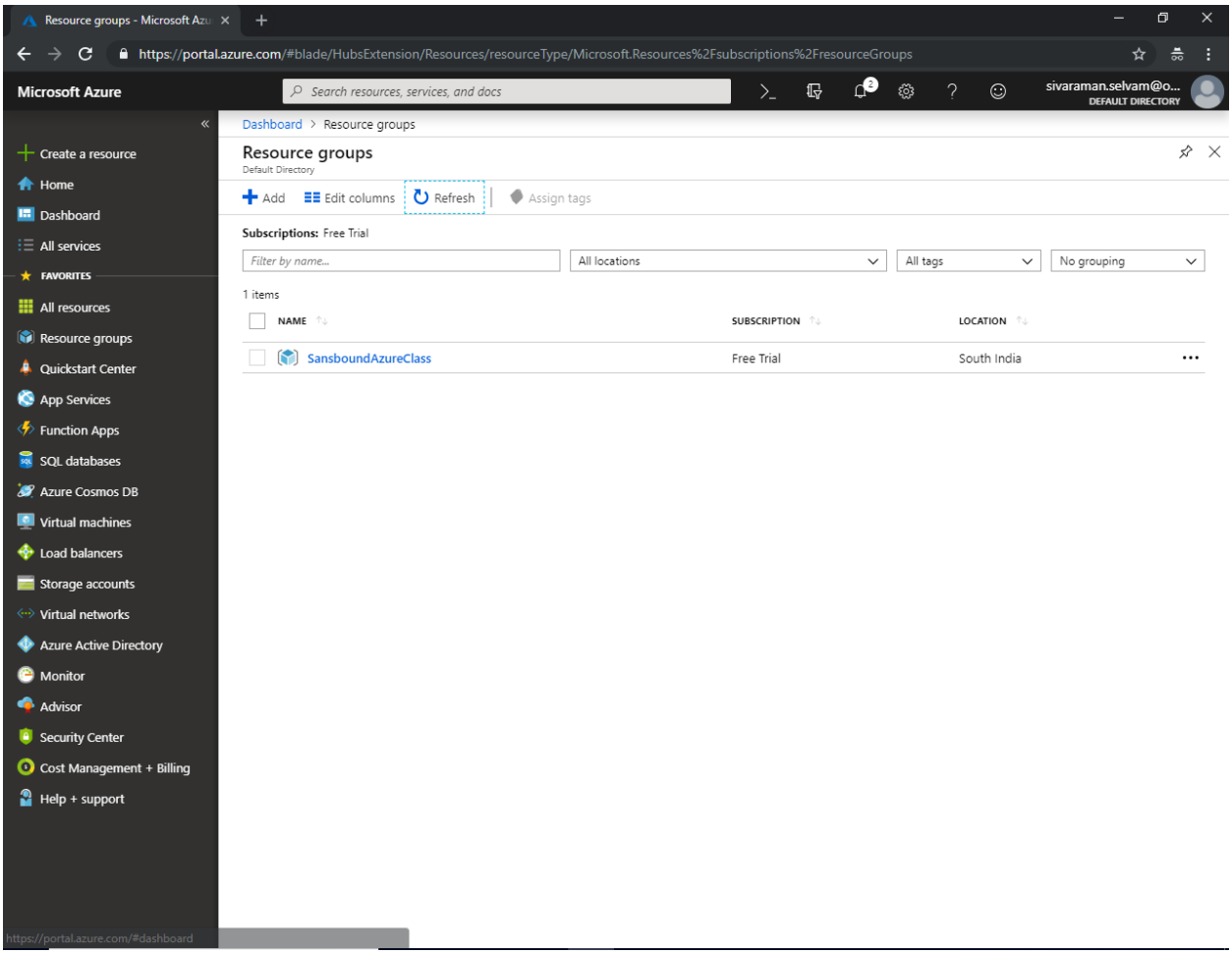


While creating **"Resource group"**, type Resource group name as **"SansboundAzureClass"**.

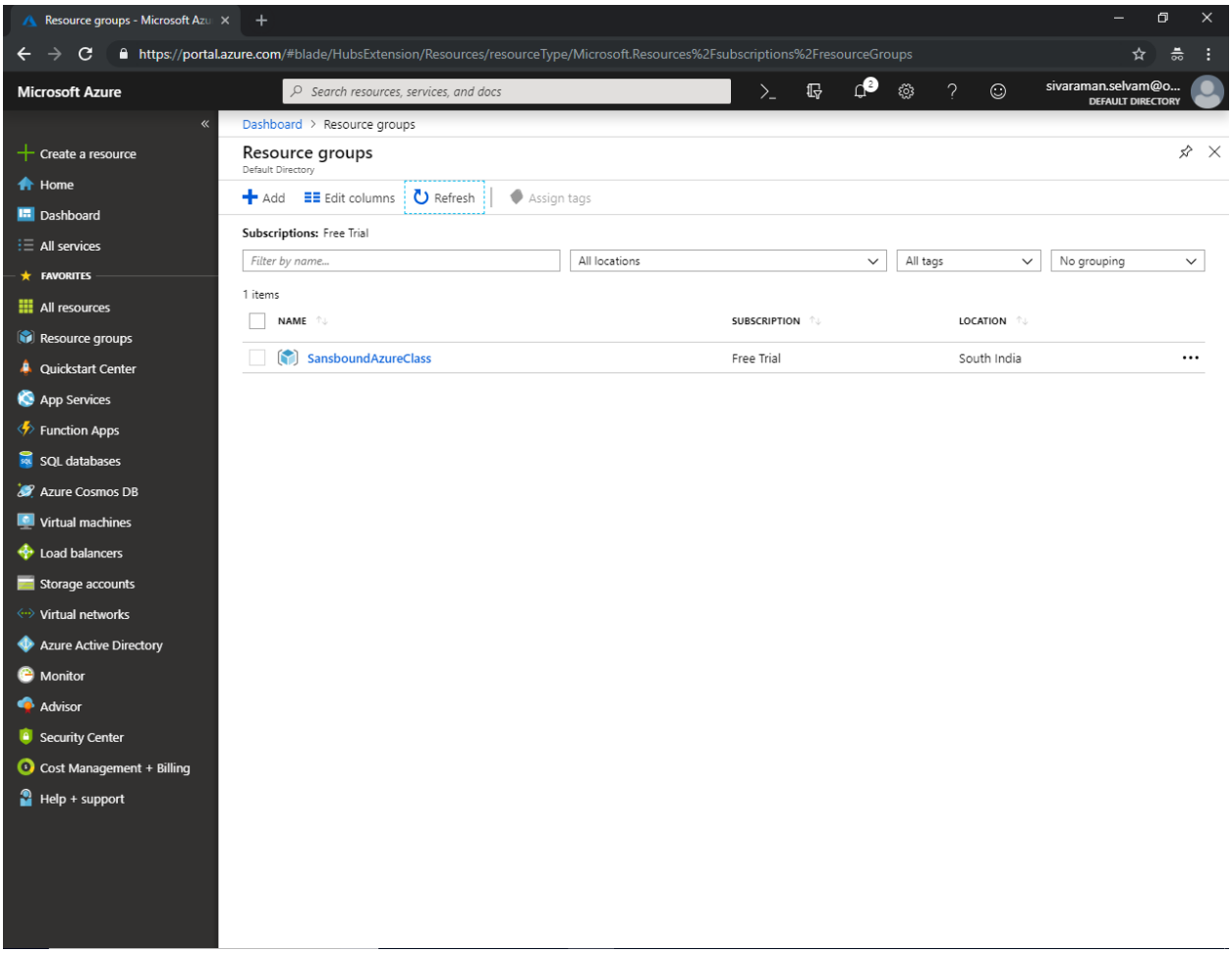
Click **"Create"** to create the Resource Group.



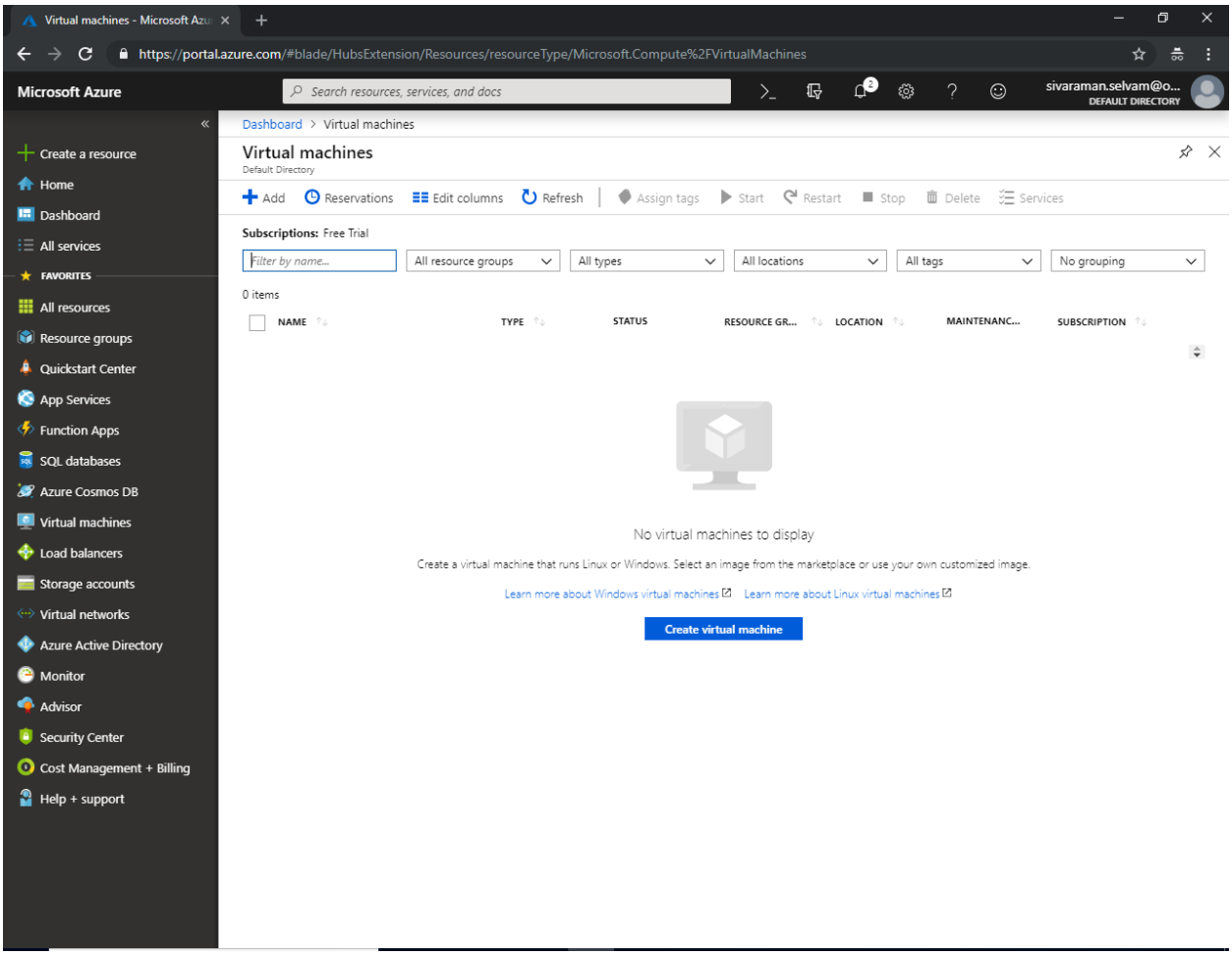
Click **“Refresh”** to review the **“Resource group”** which you have created.



Click **“Virtual machines”** in left side panel.



Click "Add" to create new virtual machine.



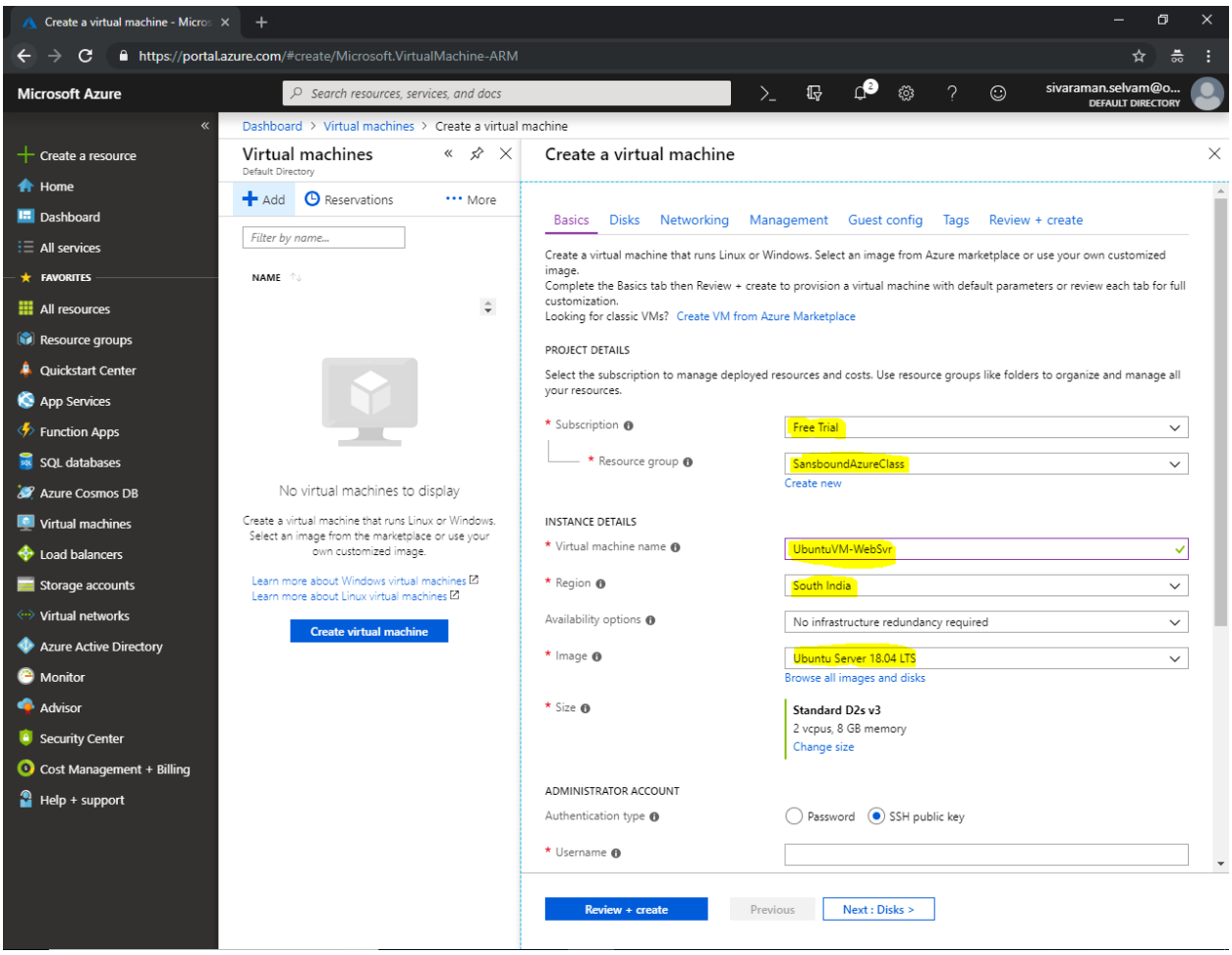
In **“Subscription”** select as “Free trial”.

In **“Resource Group“** should be select as **“SansboundAzureClass”**.

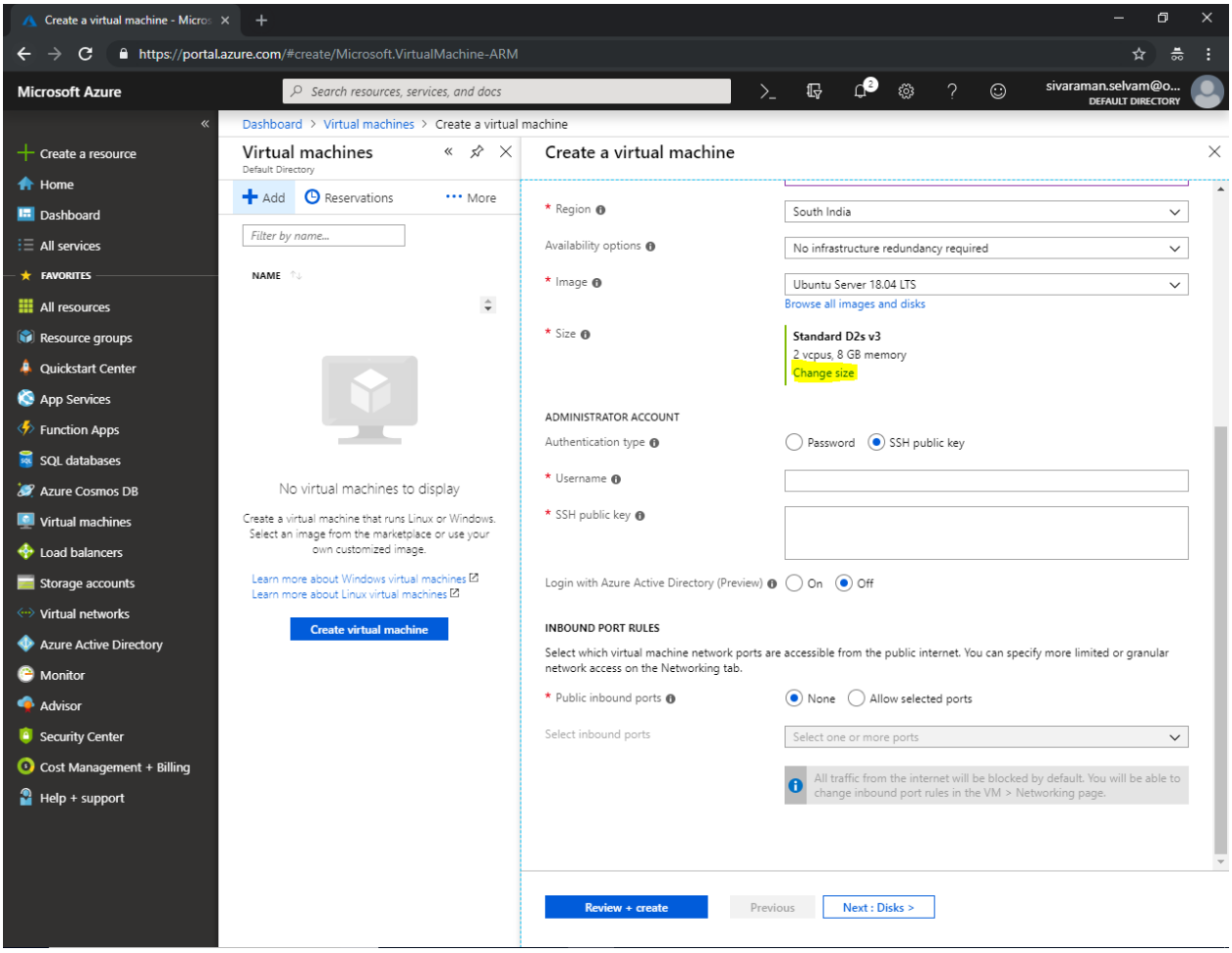
In **Virtual machine name**, type the virtual machine name as **“UbuntuVM-WebSvr”**.

Select **“Region”** as **“South India”**.

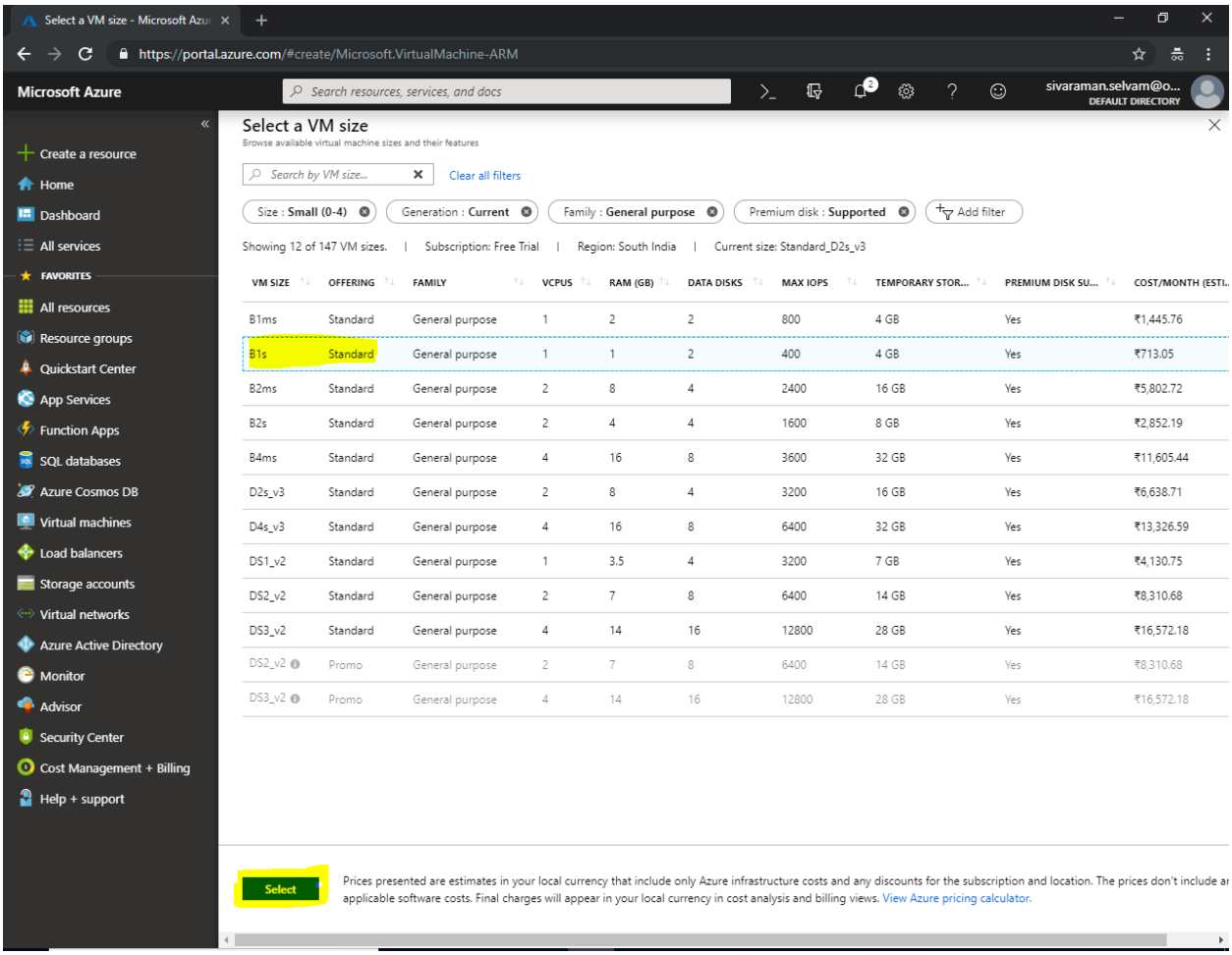
Select **“OS Image”** as **“Ubuntu Server 18.04”**.



In Virtual machine size by default **"Standard D2sv3"** has been selected. Click **"Change size"** to change the VM Size as **"Standard B1s"** which is eligible for Free trial.



Click on **"B1s Standard"** and click **"Select"** button.

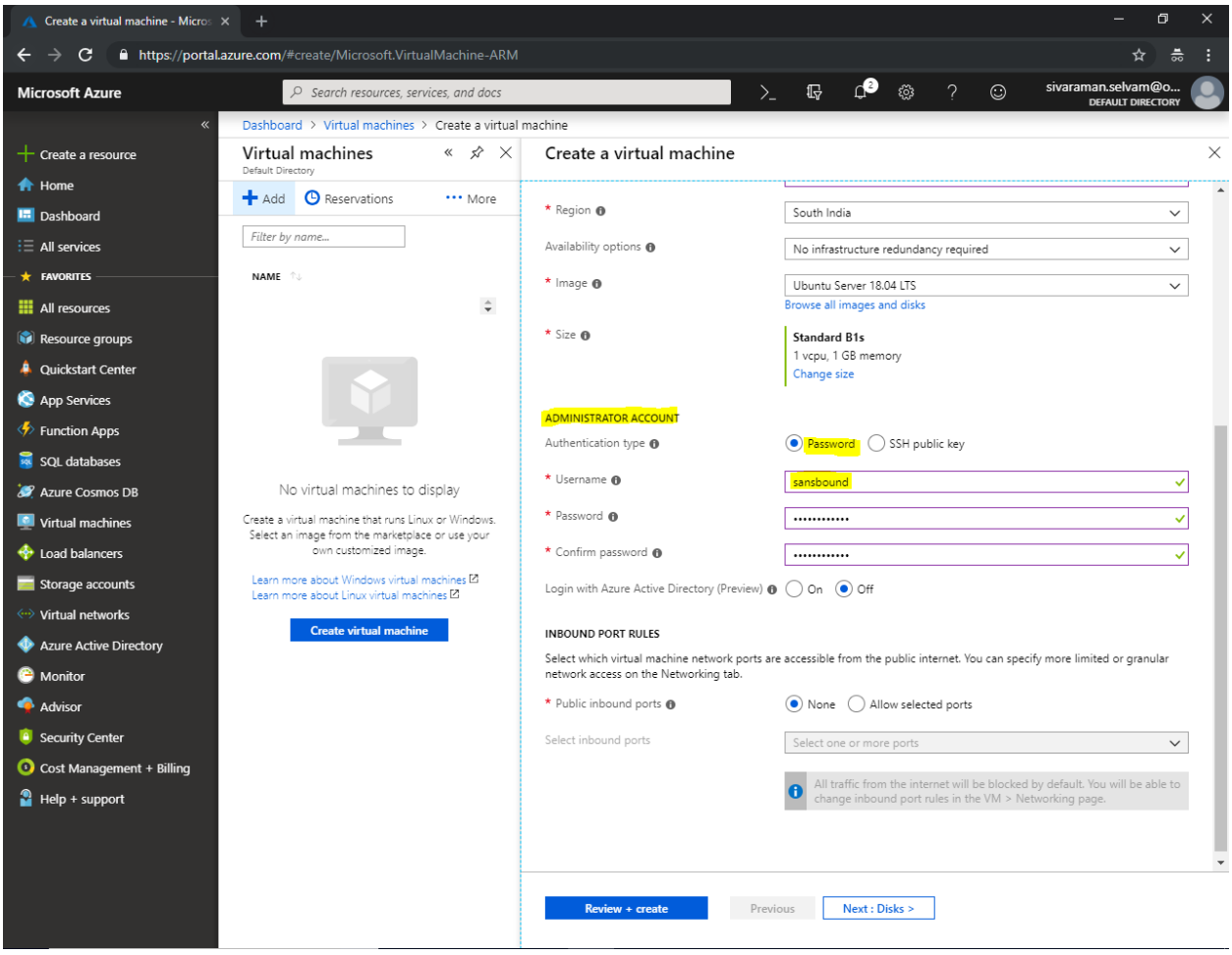


Ensure that **"Standard B1s"** has been selected.

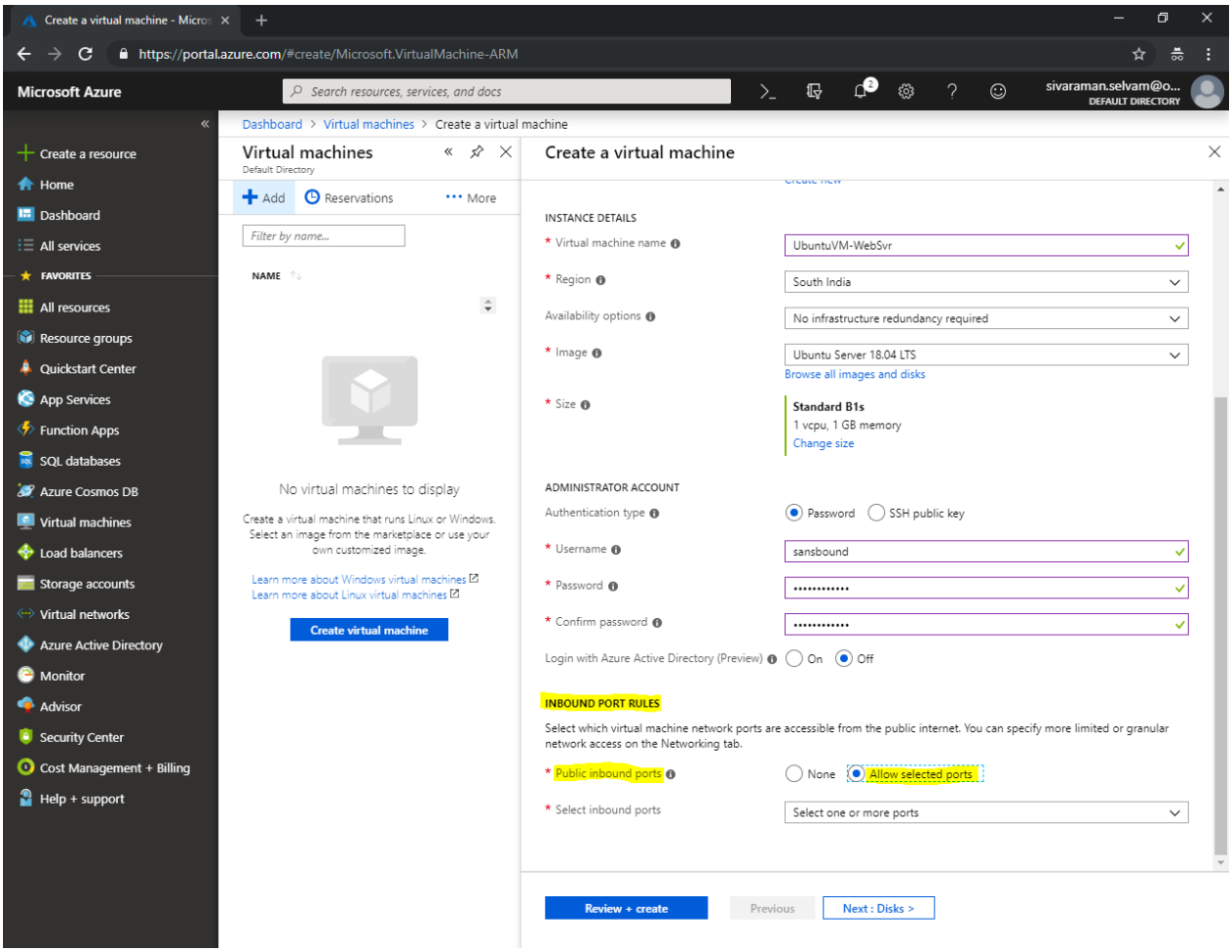
In **"Administrator Account"**, set authentication type as **"Password"** by click the option.

Type the user name which you have required to access the Ubuntu server.

Type your own password to access the Ubuntu server.

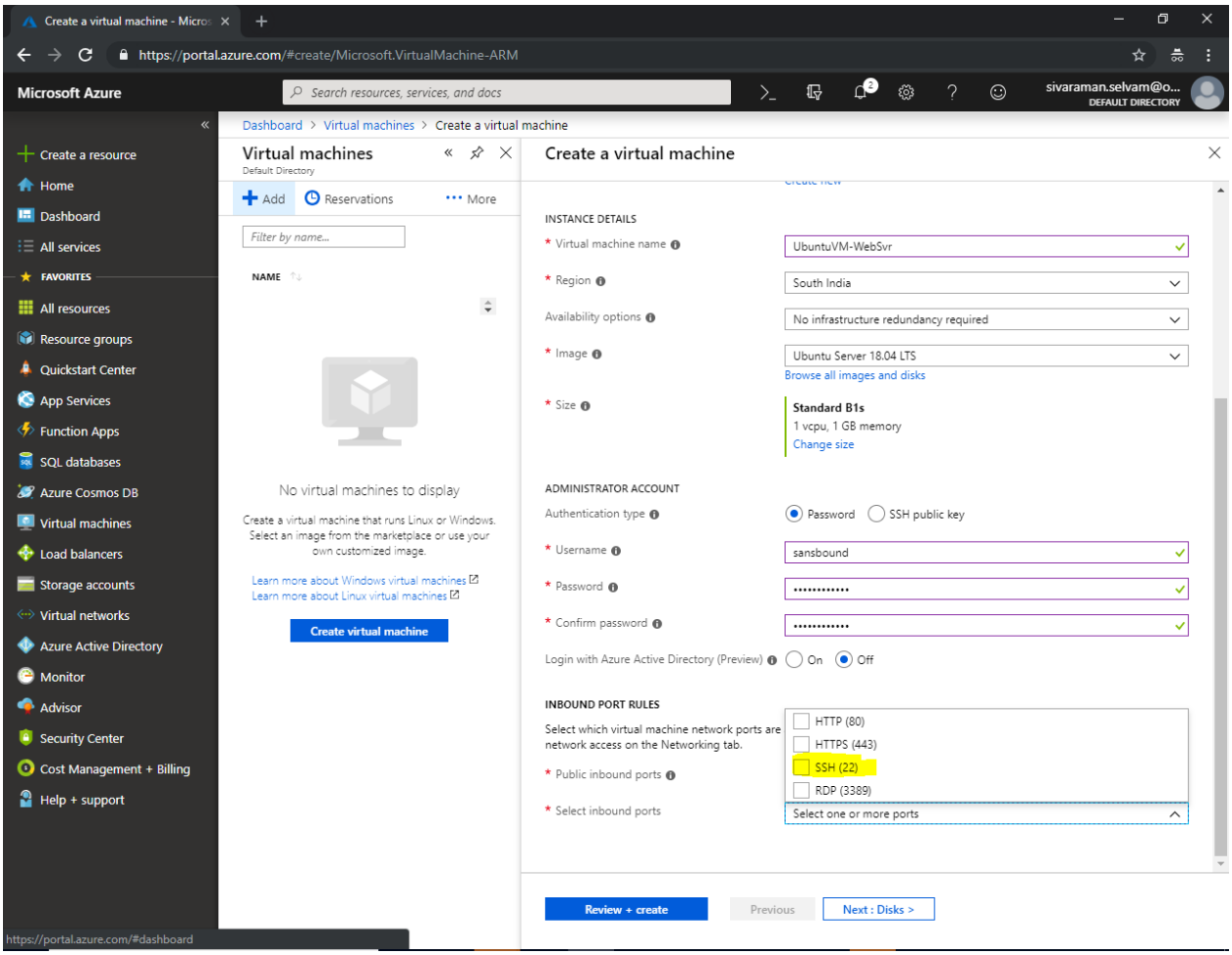


In **"Inbound Port Rules"**, set Public inbound ports as **"Allowed selected ports"**.

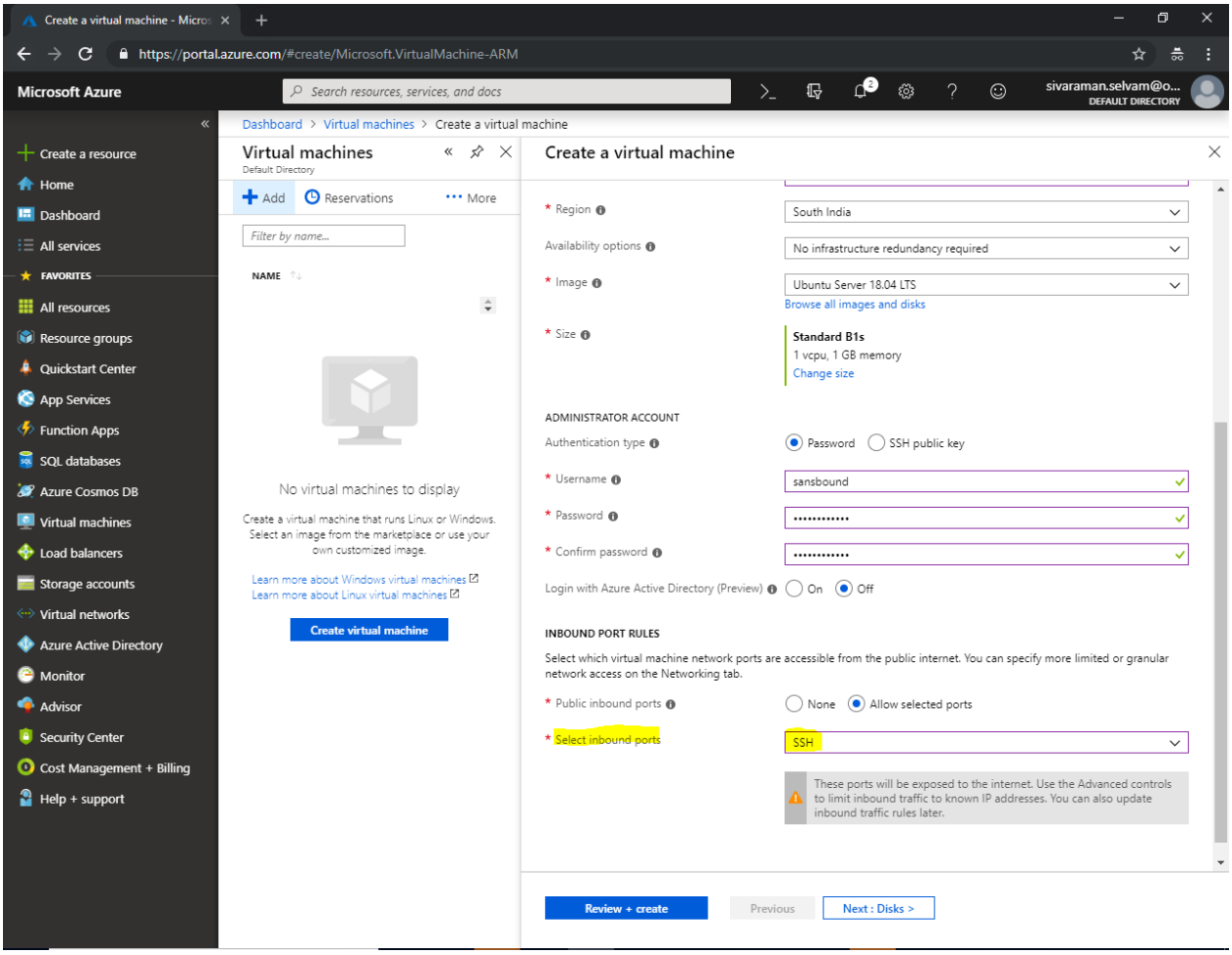


In **“Inbound Port Rules”**

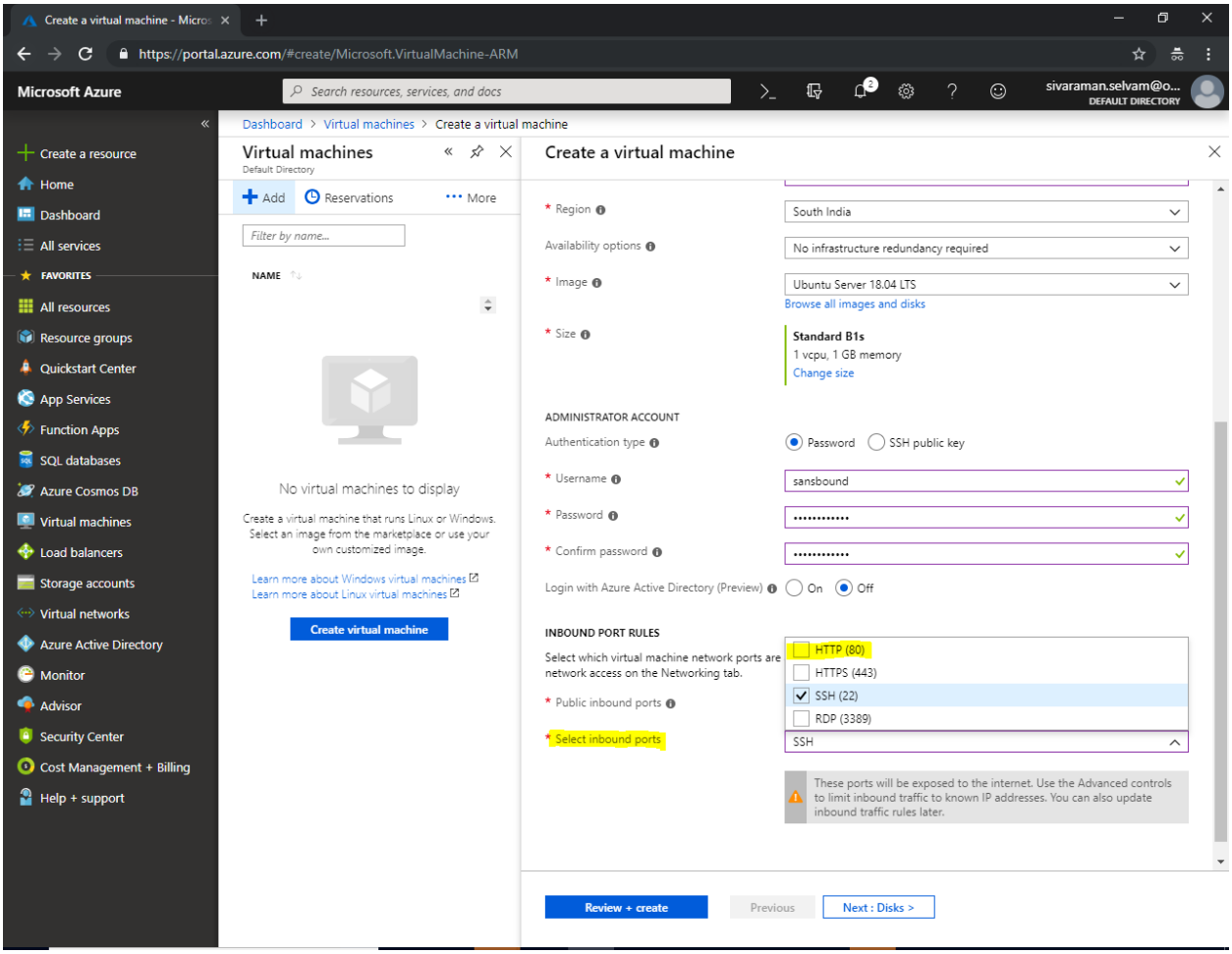
In **“Select inbound ports”**, click the drop down list and select **“SSH (22)”** to access the Ubuntu server through SSH remotely.



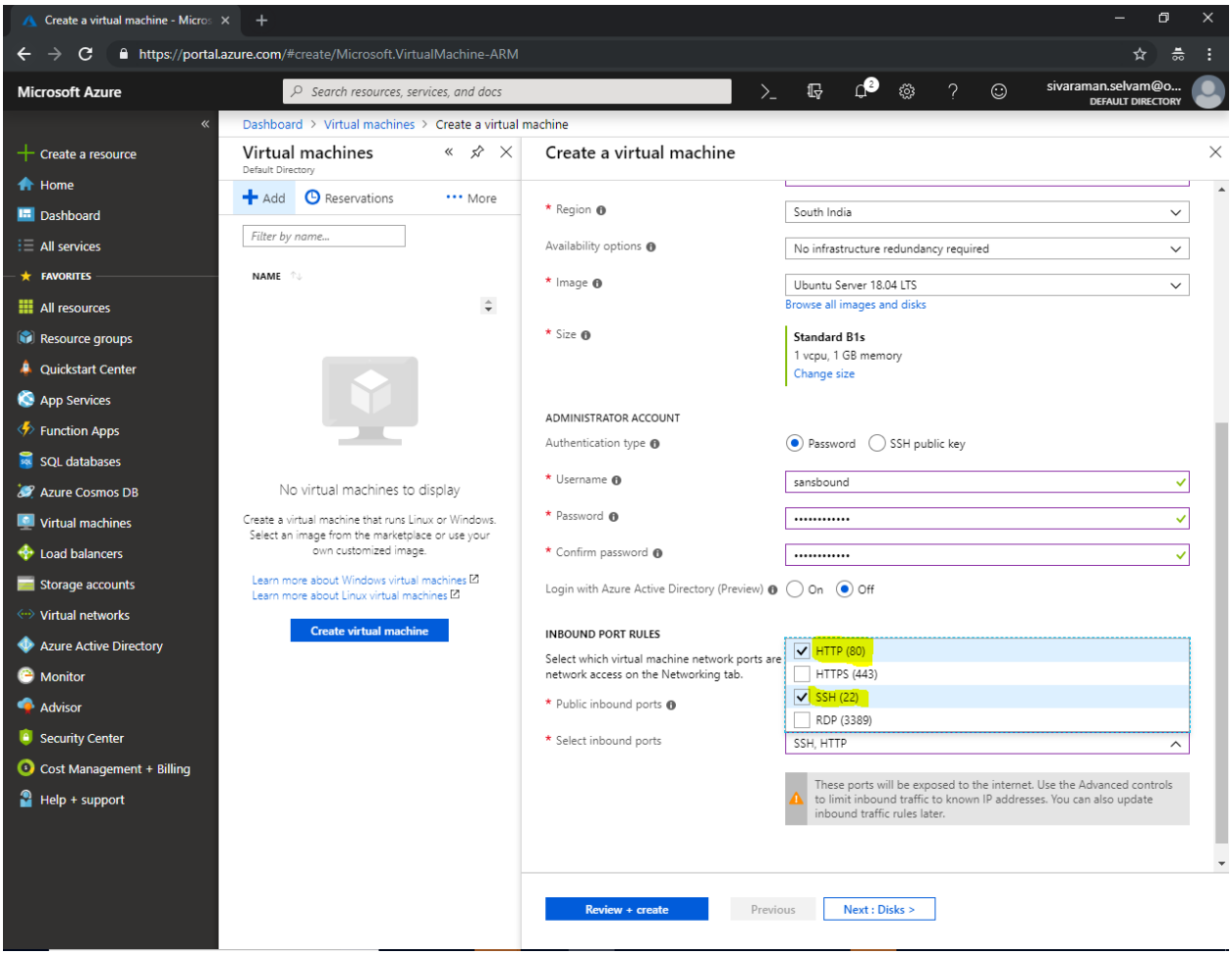
In **“Select inbound Ports”** you are able to see that **“SSH”** is selected.



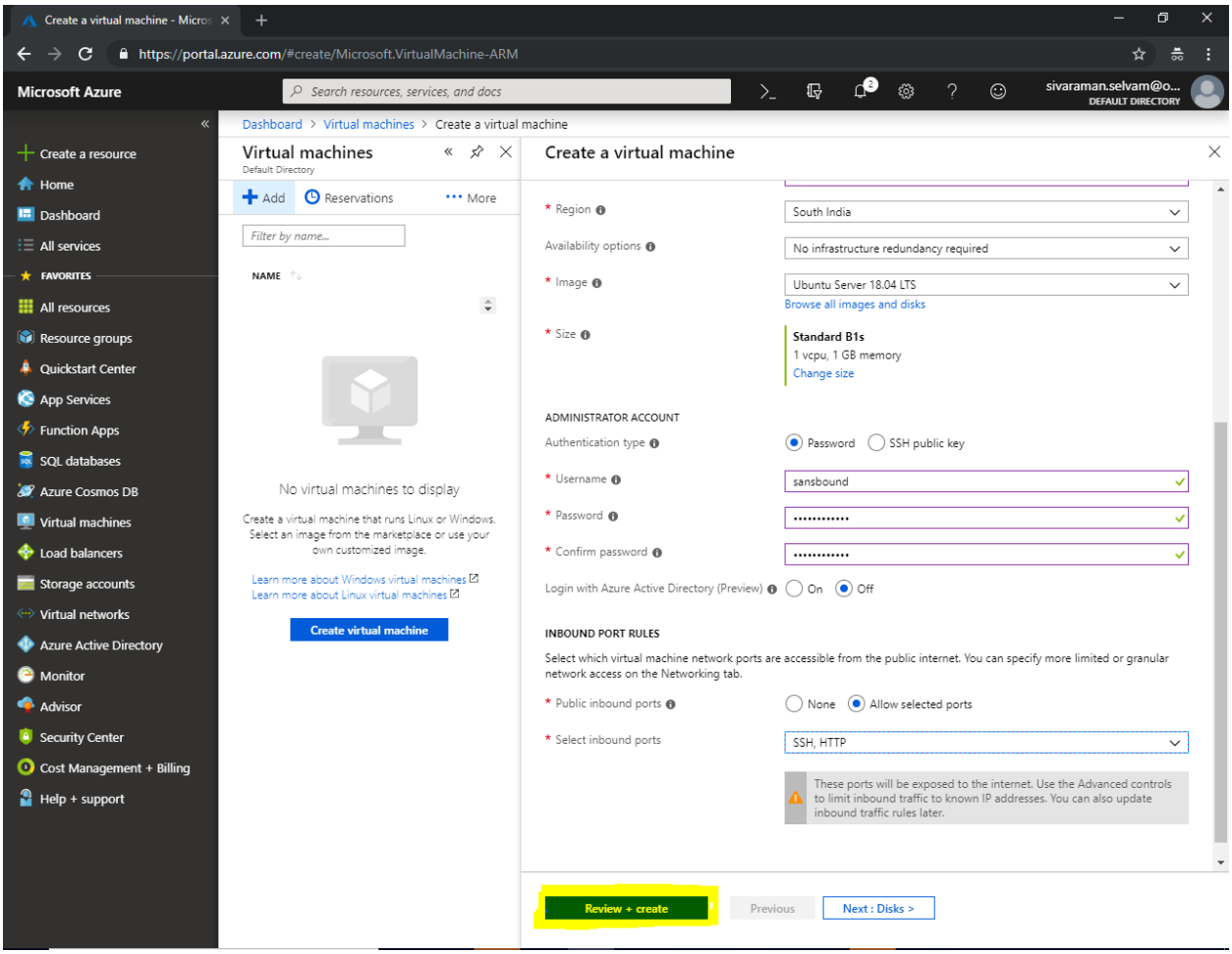
In **"Select inbound ports"**, click the drop down list and check **"HTTP (80)"** also. Because, we are going to install **"Apache"** in Ubuntu server.



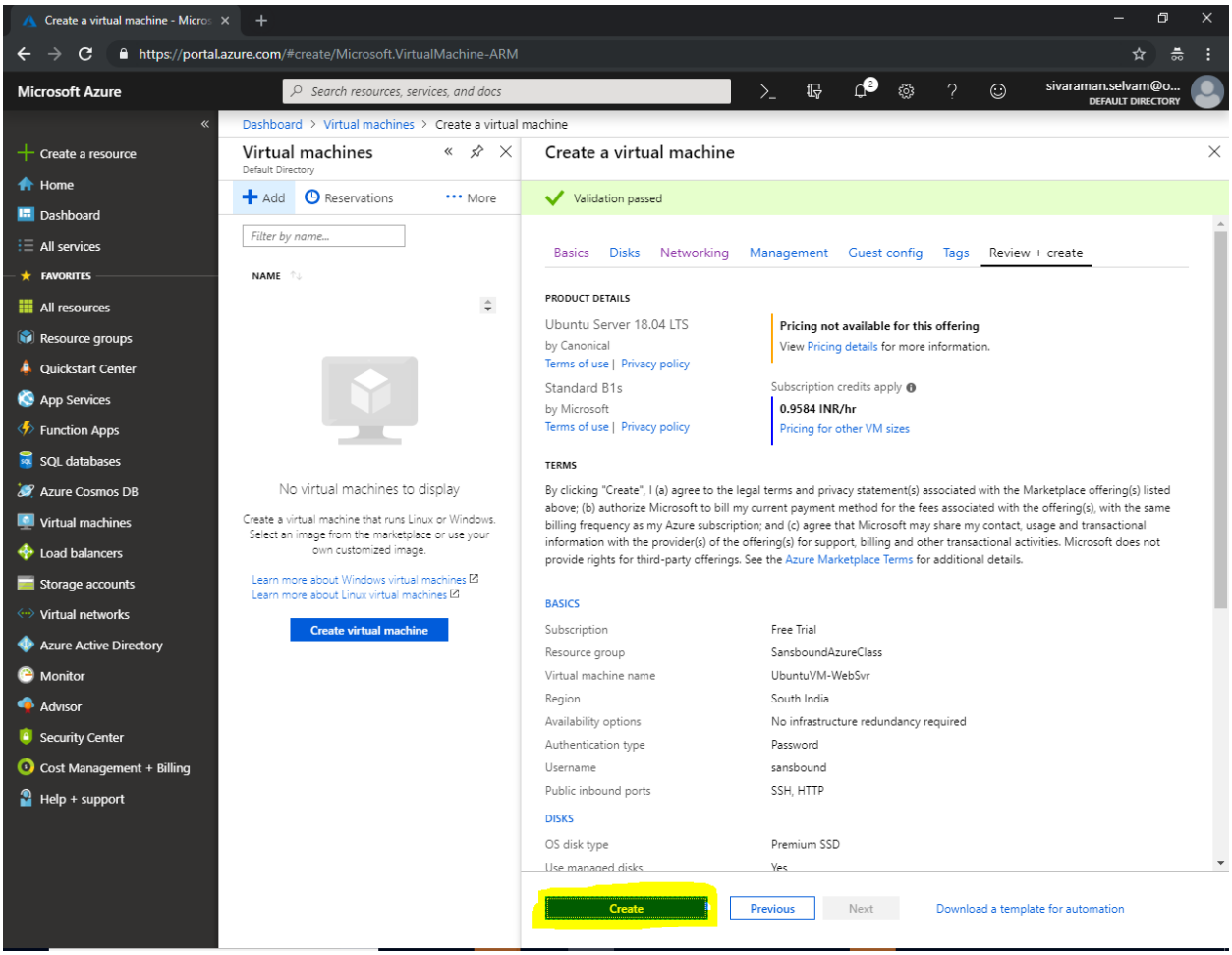
Ensure that **"HTTP (80) and SSH (22)"** ports are allowed to connect from **public network**.



Click **“Review + Create”**.

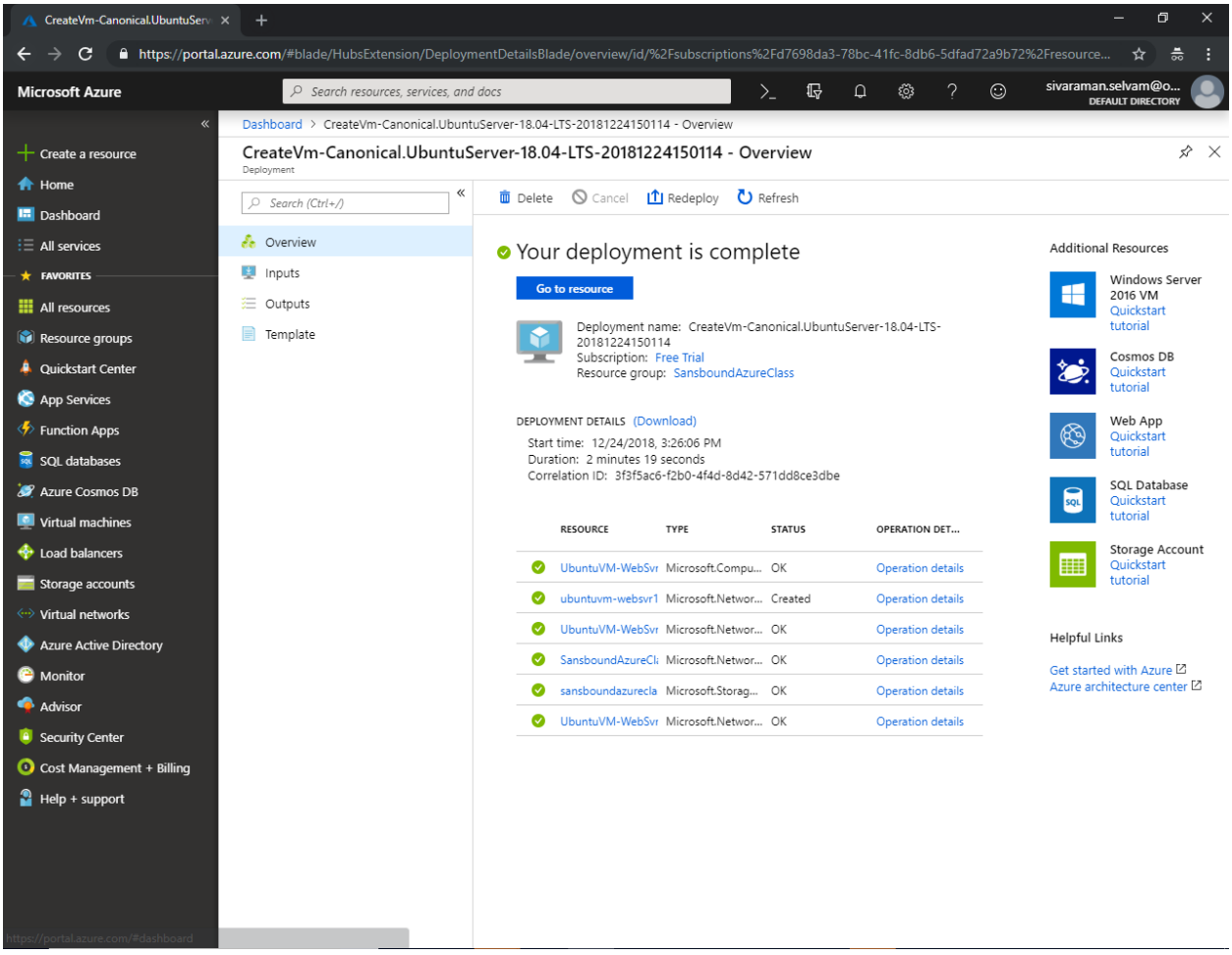


Click **"Create"**.

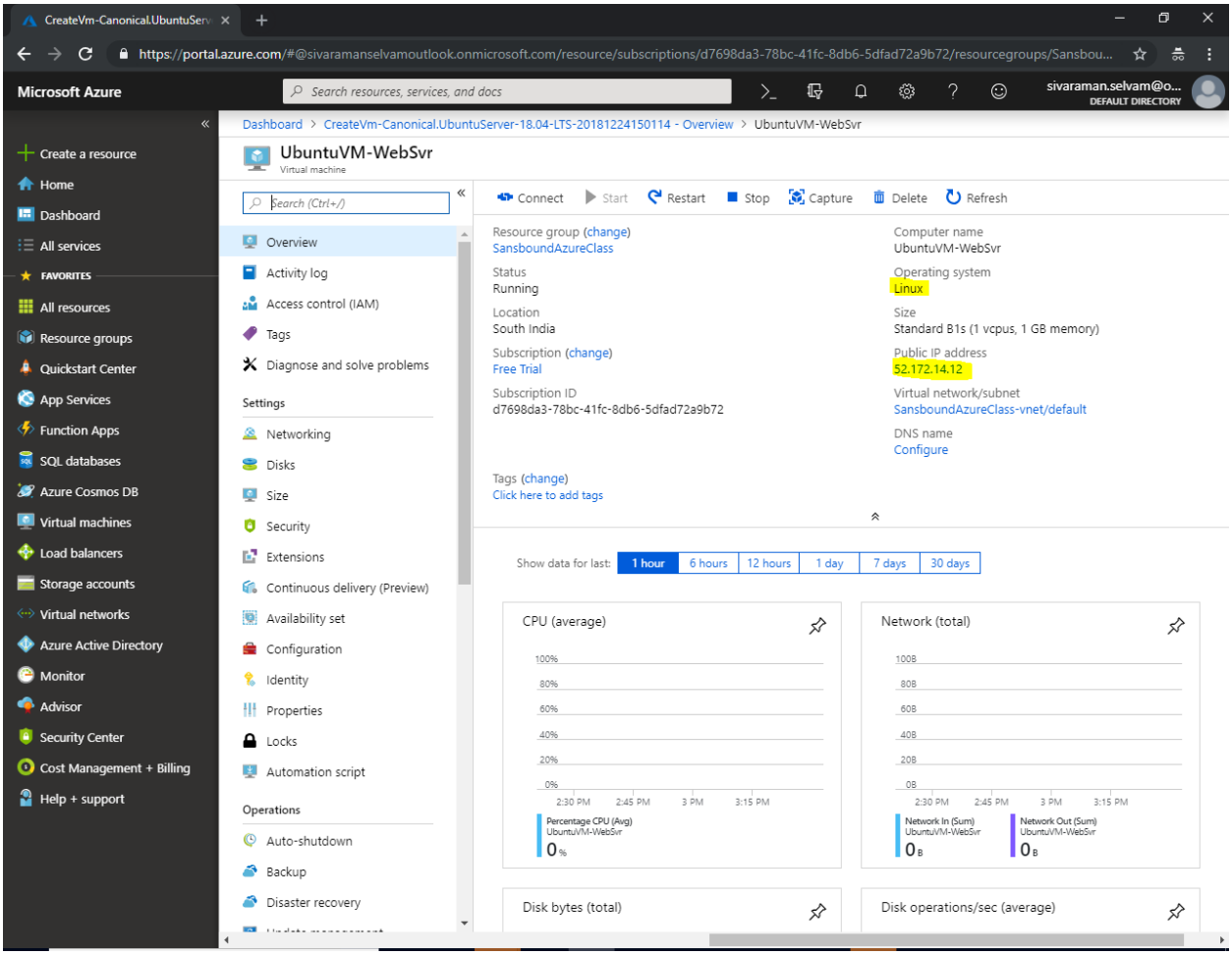


Your deployment has been successfully completed.

Click **"Go to resource"**.

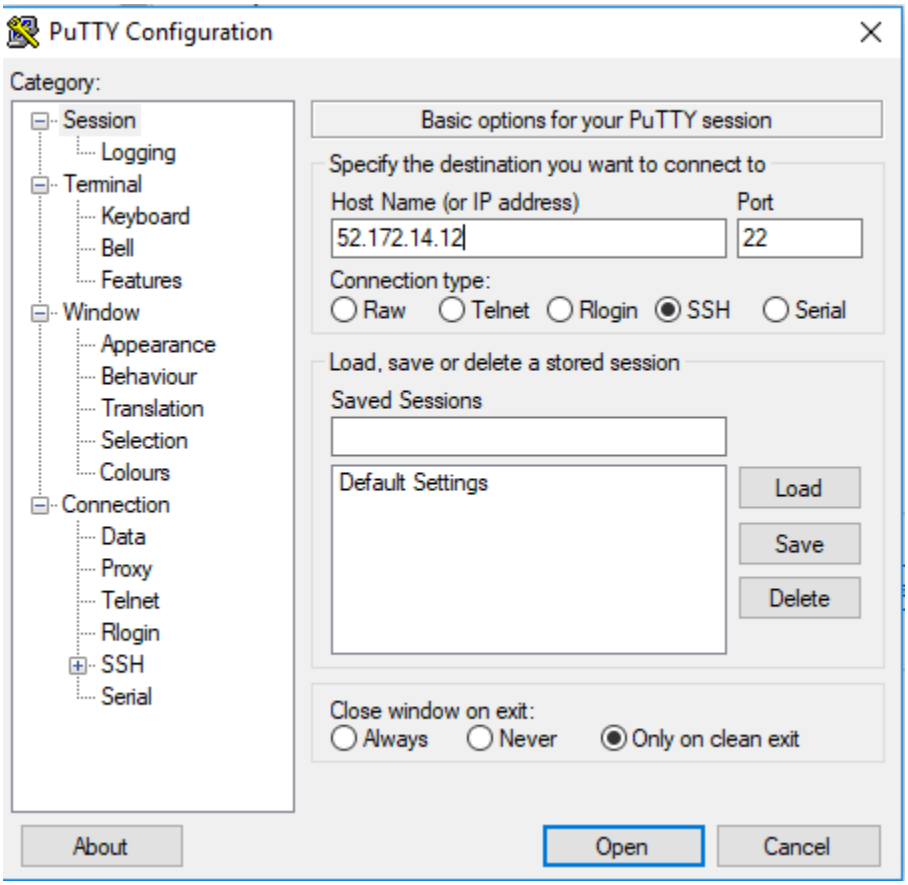


Kindly note the Public IP address which has required to access the Ubuntu server from public.

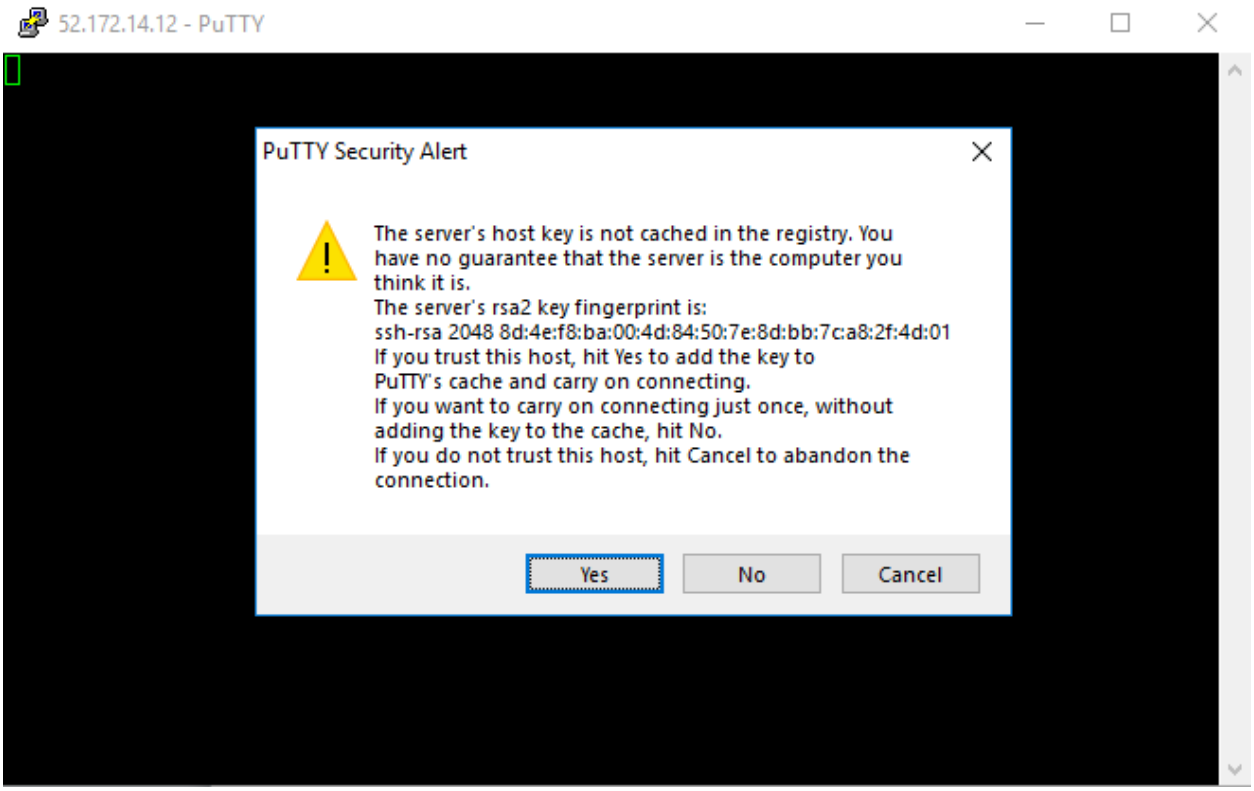


Download the putty from https://www.putty.org/ and install it and launch the “putty.exe”.

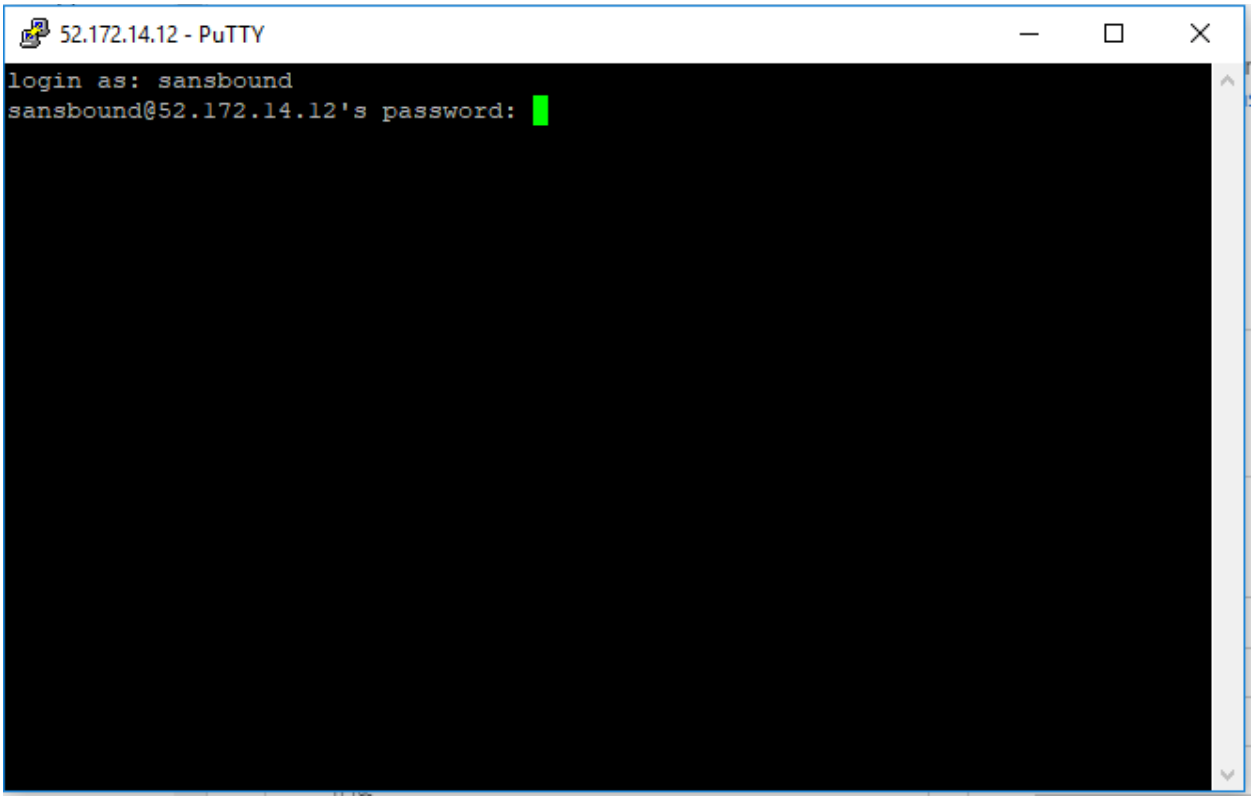
In Putty, type the Public IP address of Ubuntu server and click “Open” to connect.



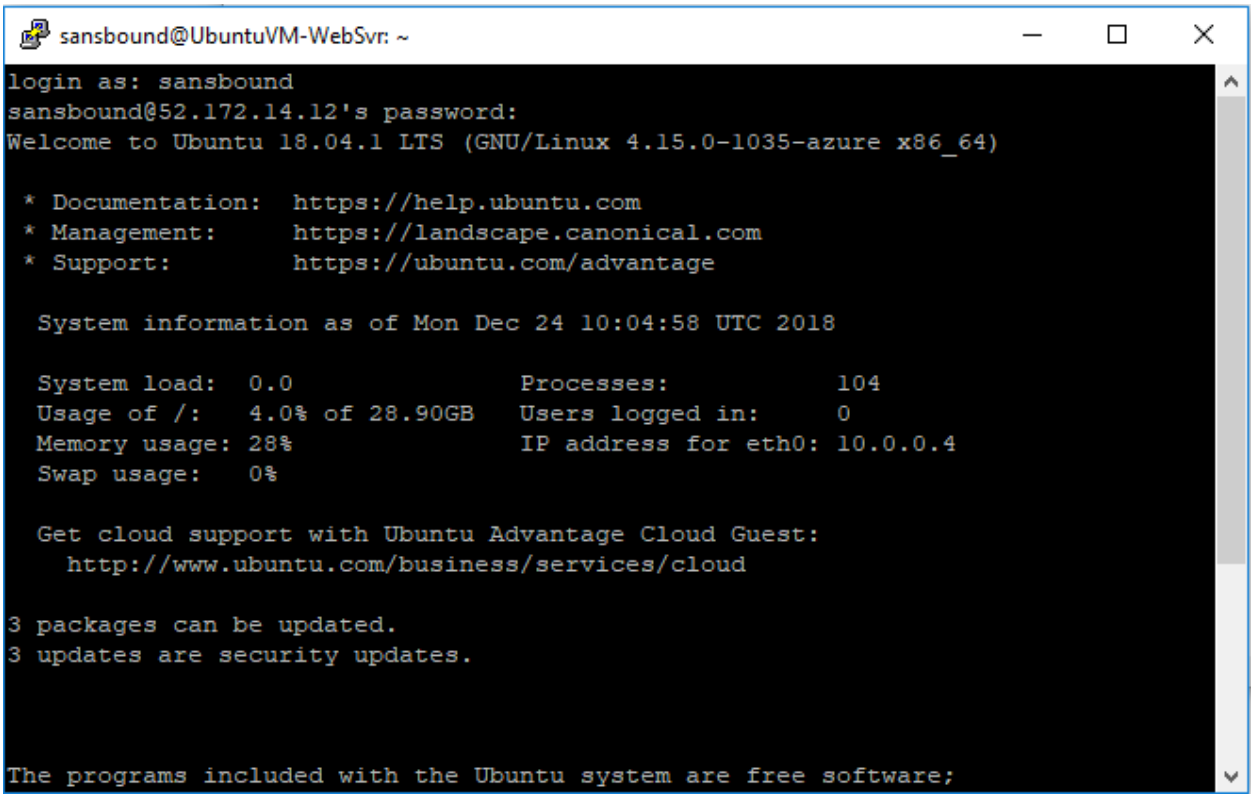
Click **“Yes”.**


52.172.14.12 - PuTTY
PuTTY Security Alert
The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.
The server's rsa2 key fingerprint is:
ssh-rsa 2048 8d:4e:f8:ba:00:4d:84:50:7e:8d:bb:7c:a8:2f:4d:01
If you trust this host, hit Yes to add the key to PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without adding the key to the cache, hit No.
If you do not trust this host, hit Cancel to abandon the connection.
Yes
No
Cancel

Type Username as “sansbound” and press “Enter”.

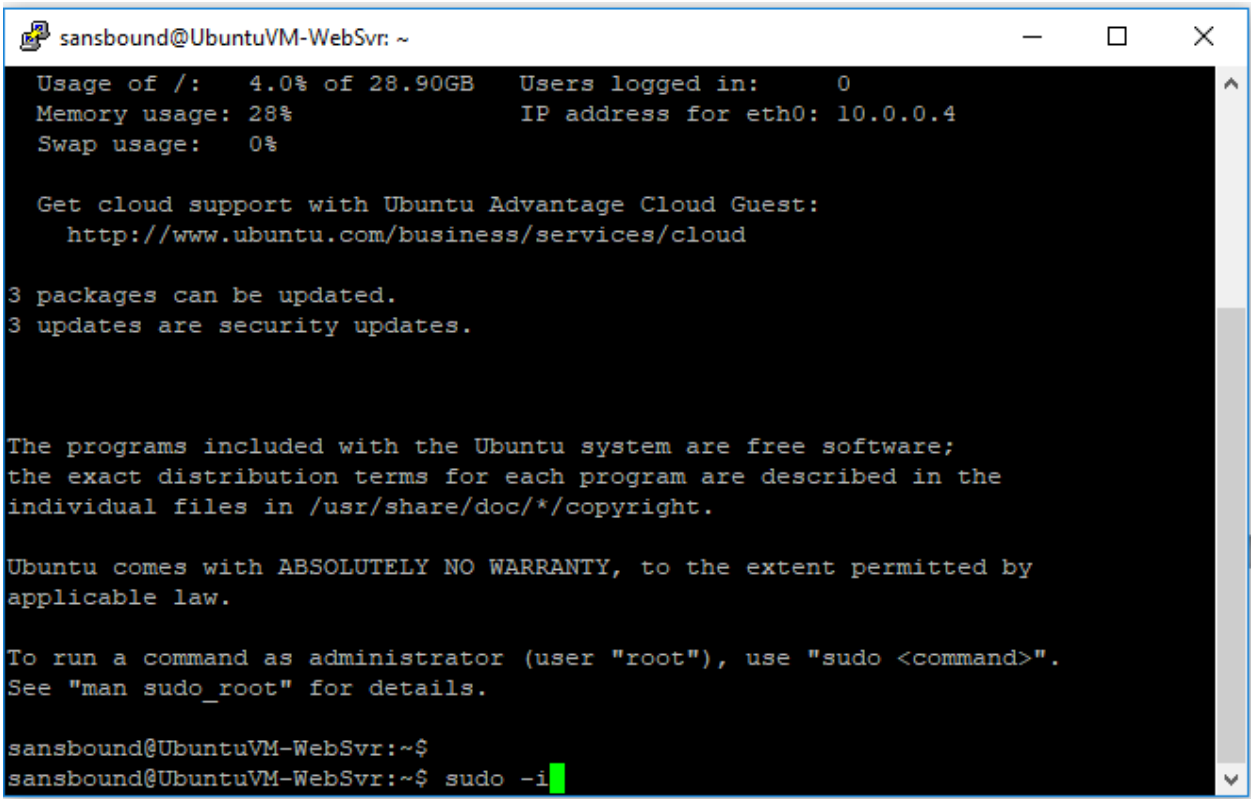


It will require password, type the password which you have specified while creating the Virtual machine in Azure.

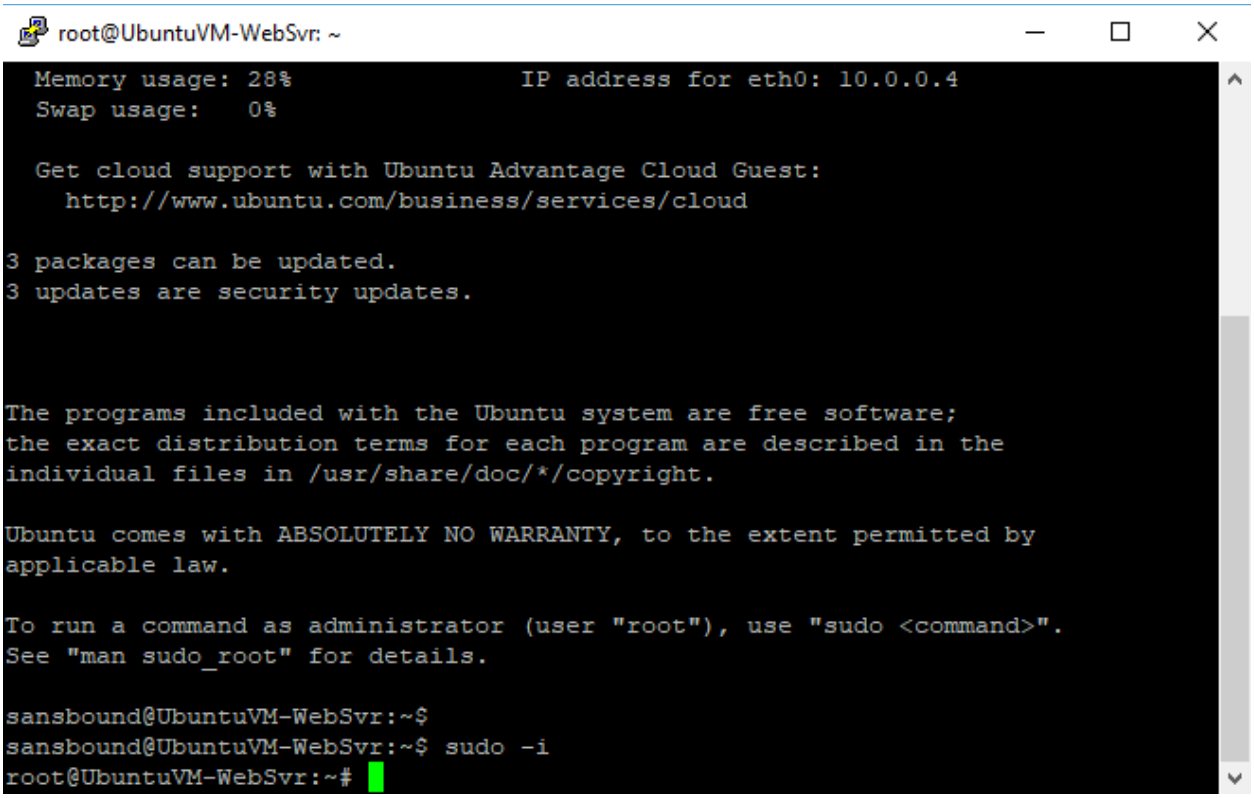


Now I have required to login as root account.

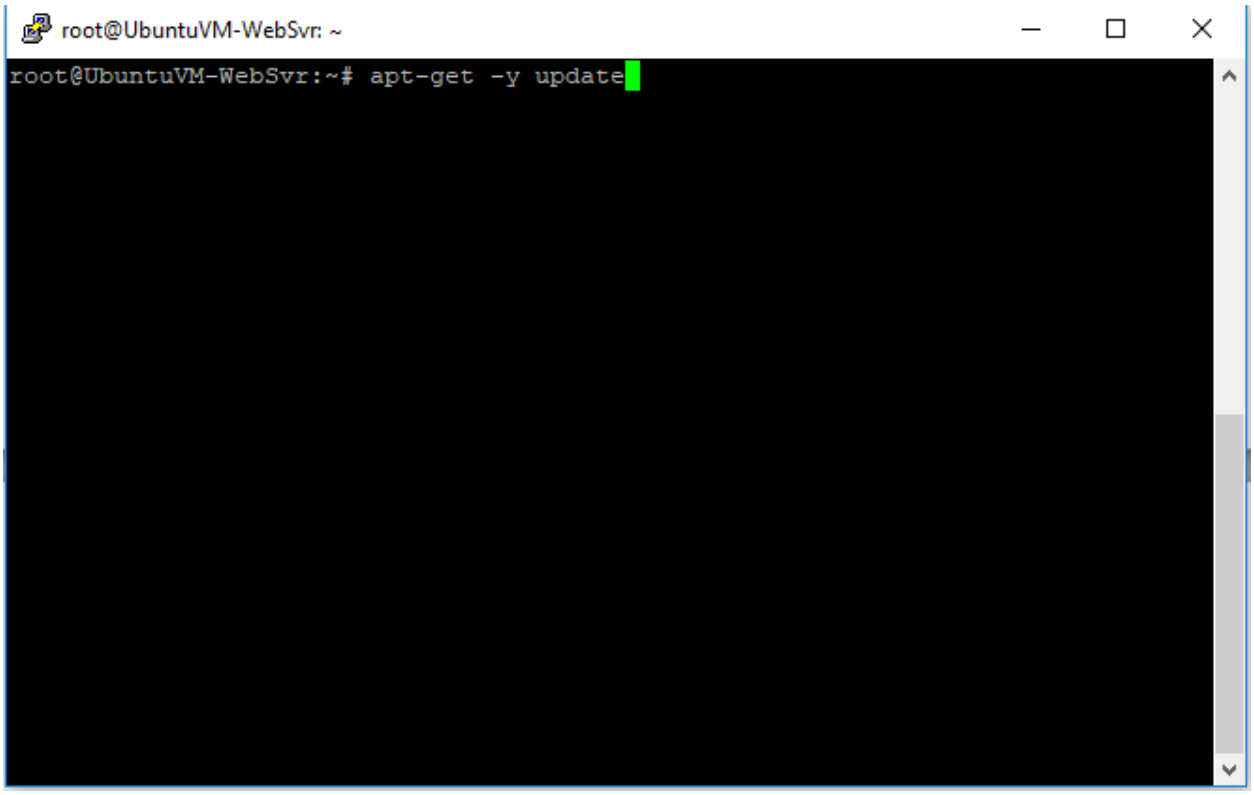
Then type “sudo –i” and press “Enter”.



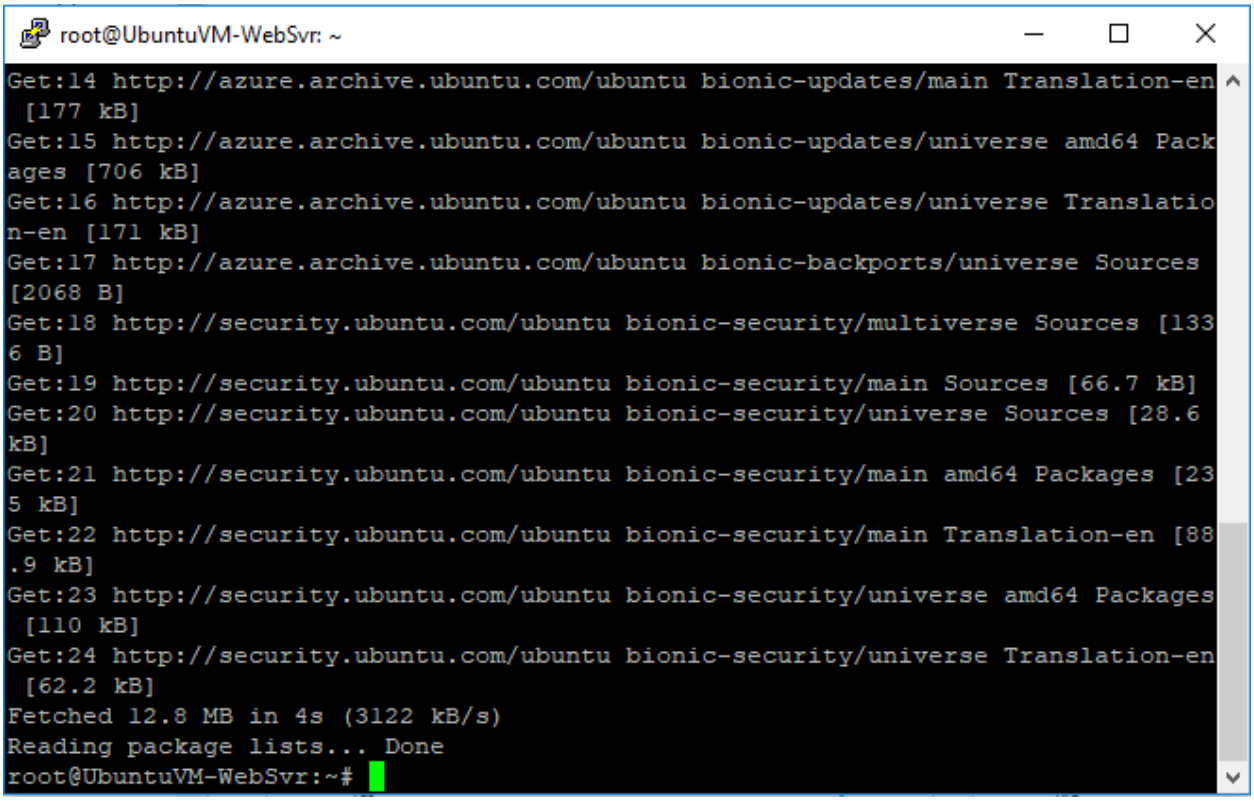
Now you have successfully logged in as a root user.



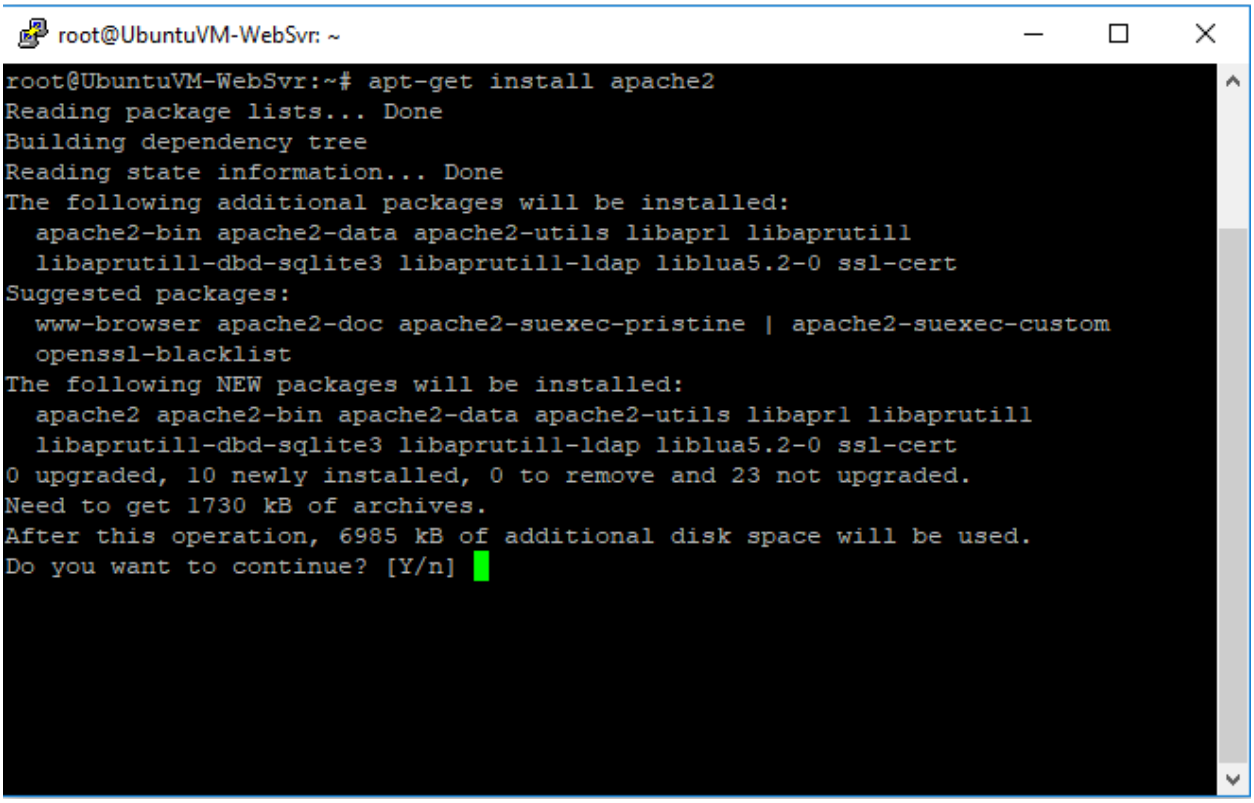
Type “apt-get –y update” and press “Enter”.



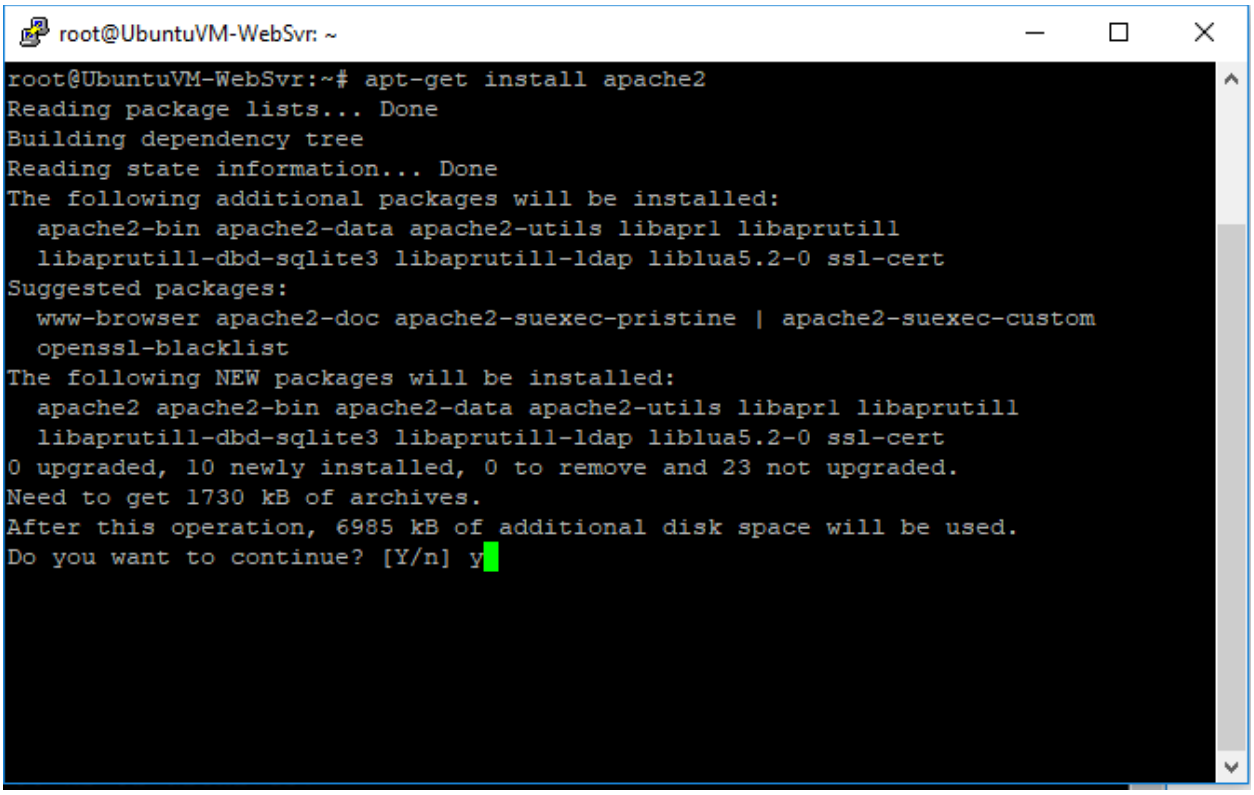
Now packages has been updated from internet.



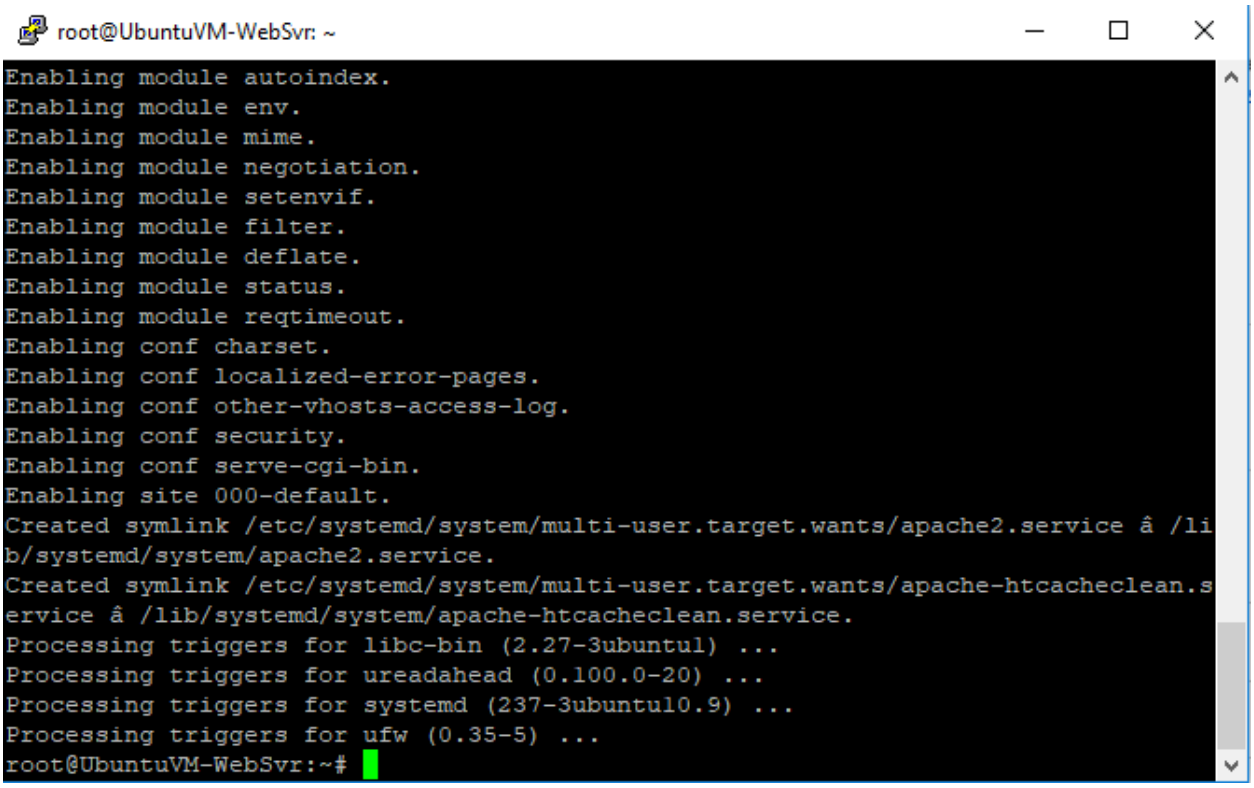
Type “apt-get install apache2” and press “Enter”.



Type **"Y"** and press **"Enter"** to install package.



You have successfully installed the apache.



Type the IP address of Ubuntu in browser at your local machine. You have successfully got the default web server.