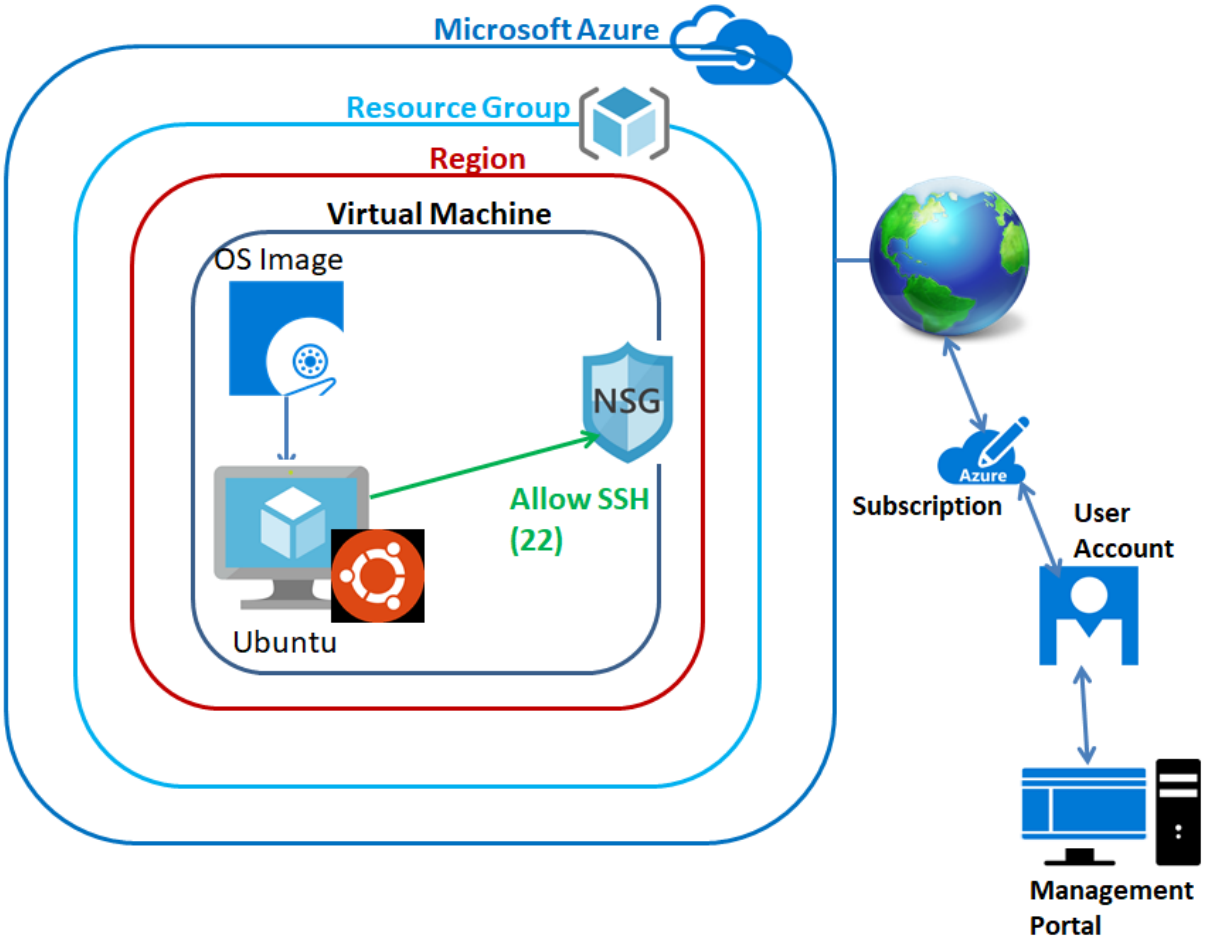
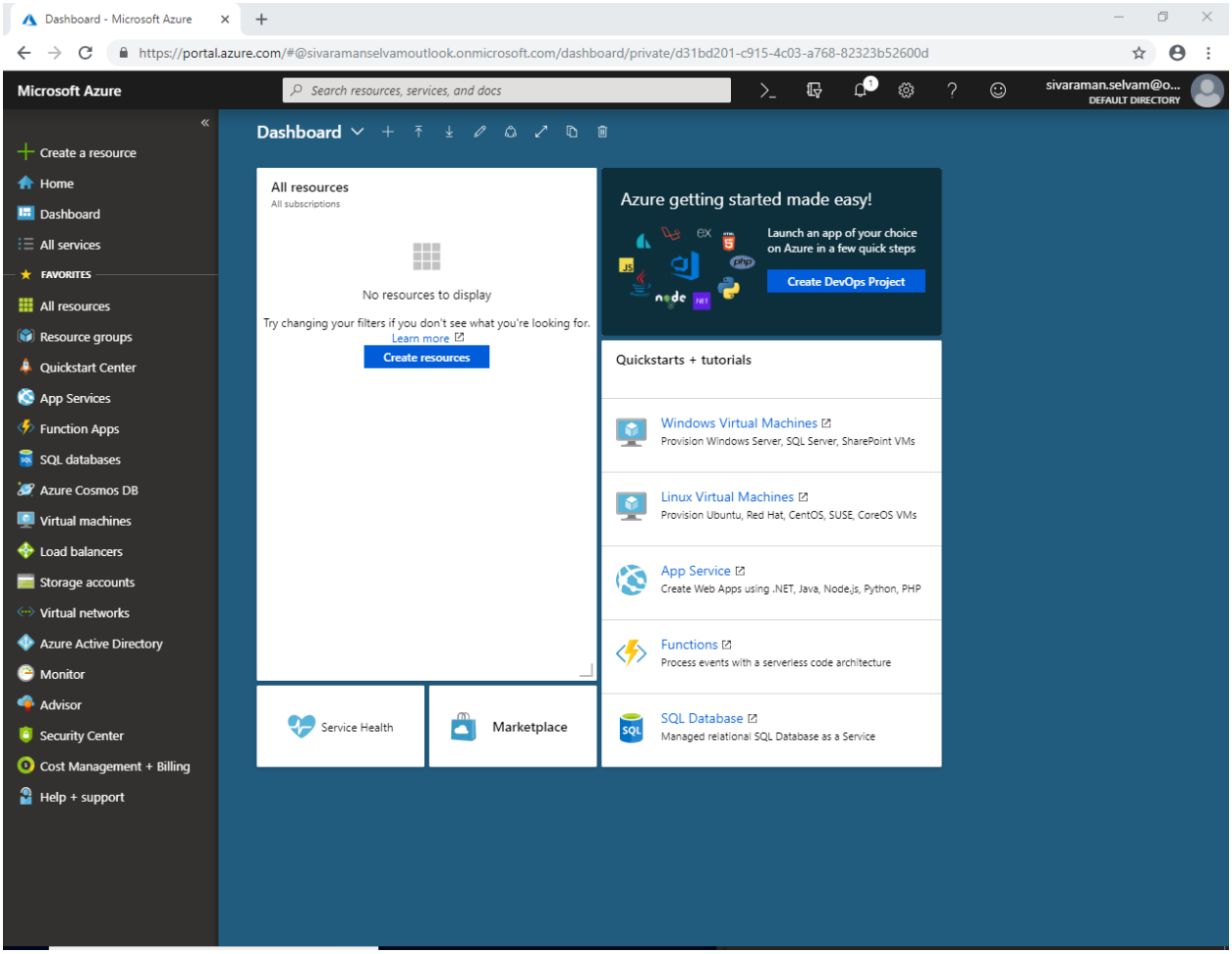
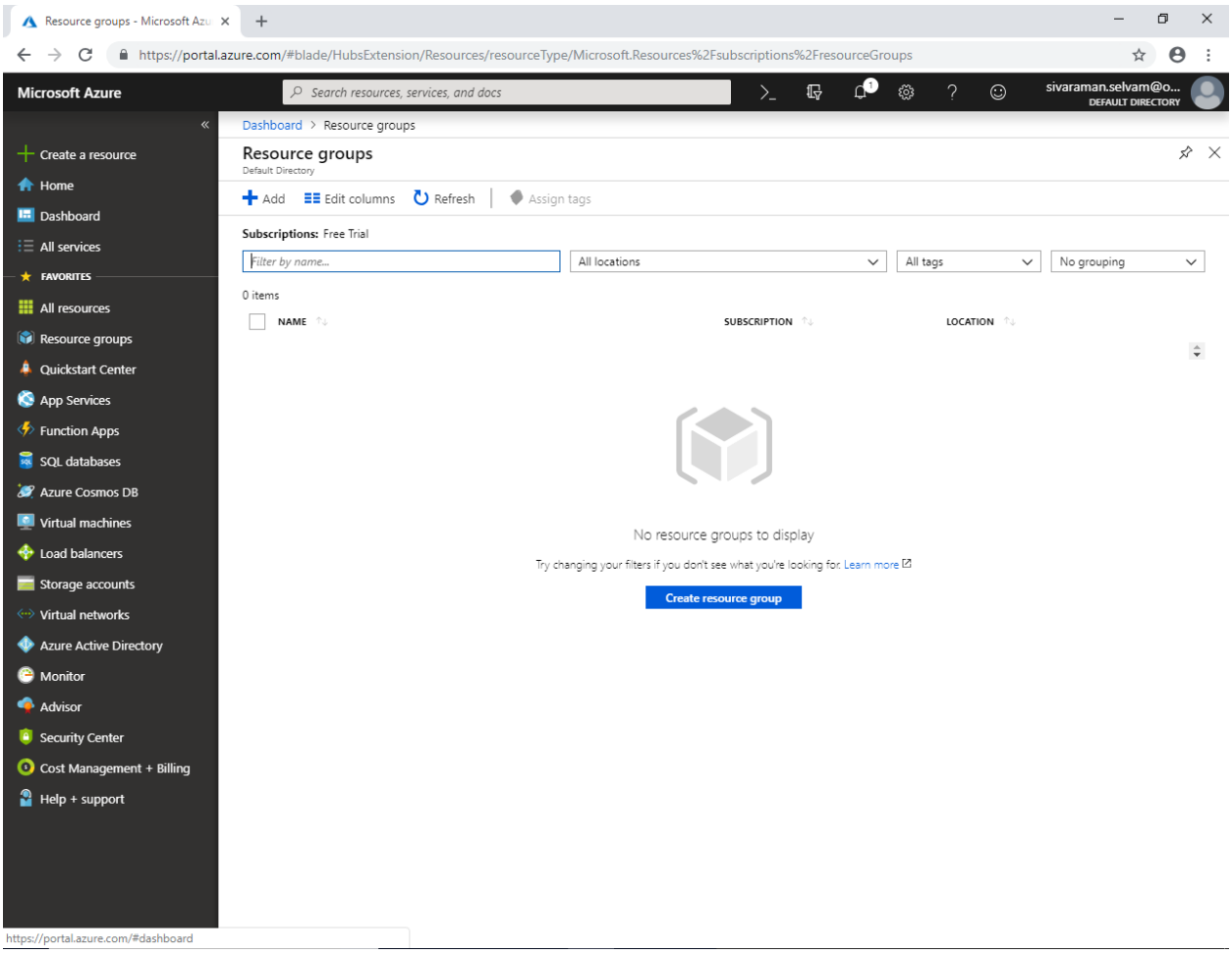
Lab2 – Creating Virtual Machine – Ubuntu in Azure



In Dashboard, Click “Resource groups”.



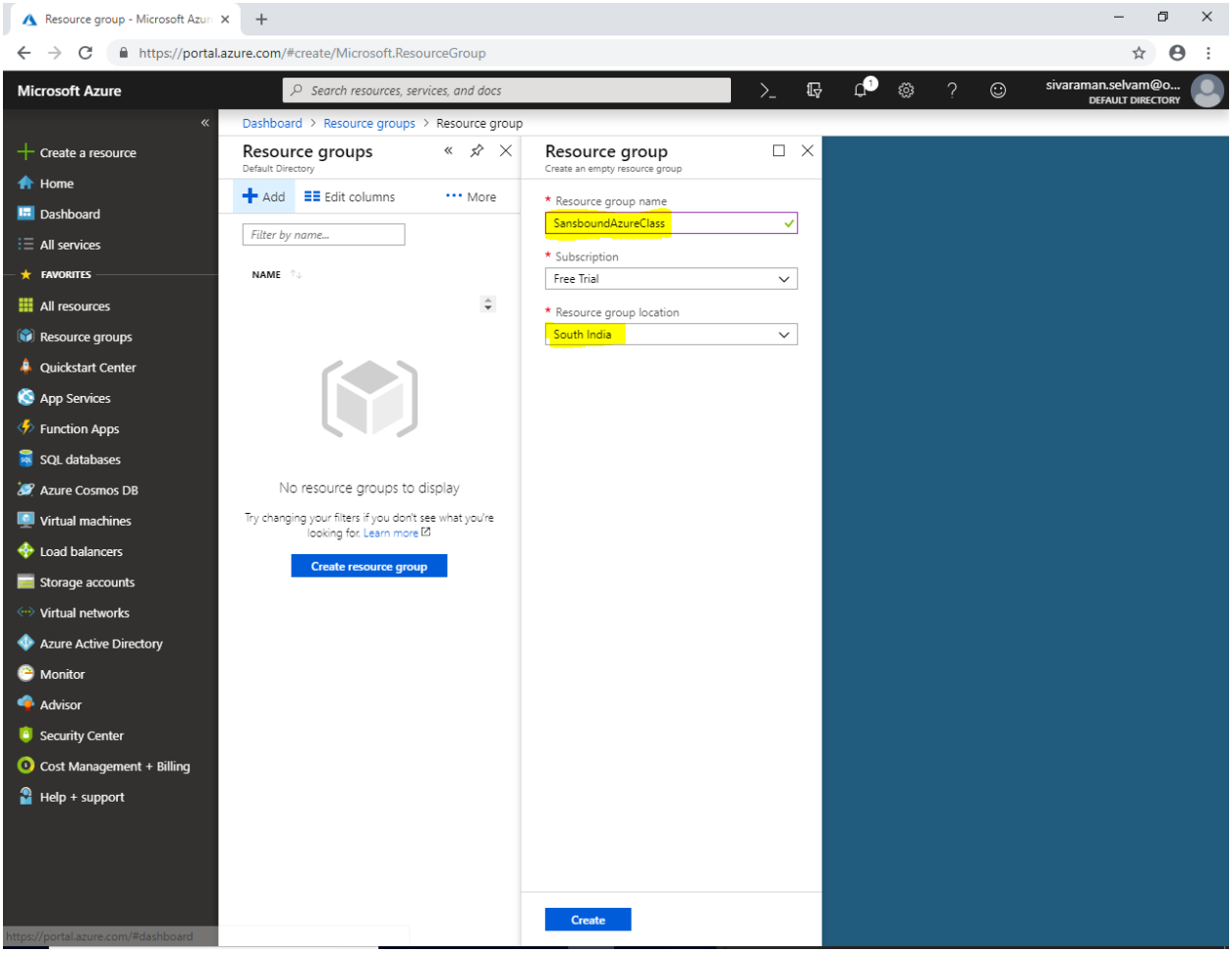
In “Resource Groups” click “Add”.



Type "Resource Group" as "SansboundAzureClass".

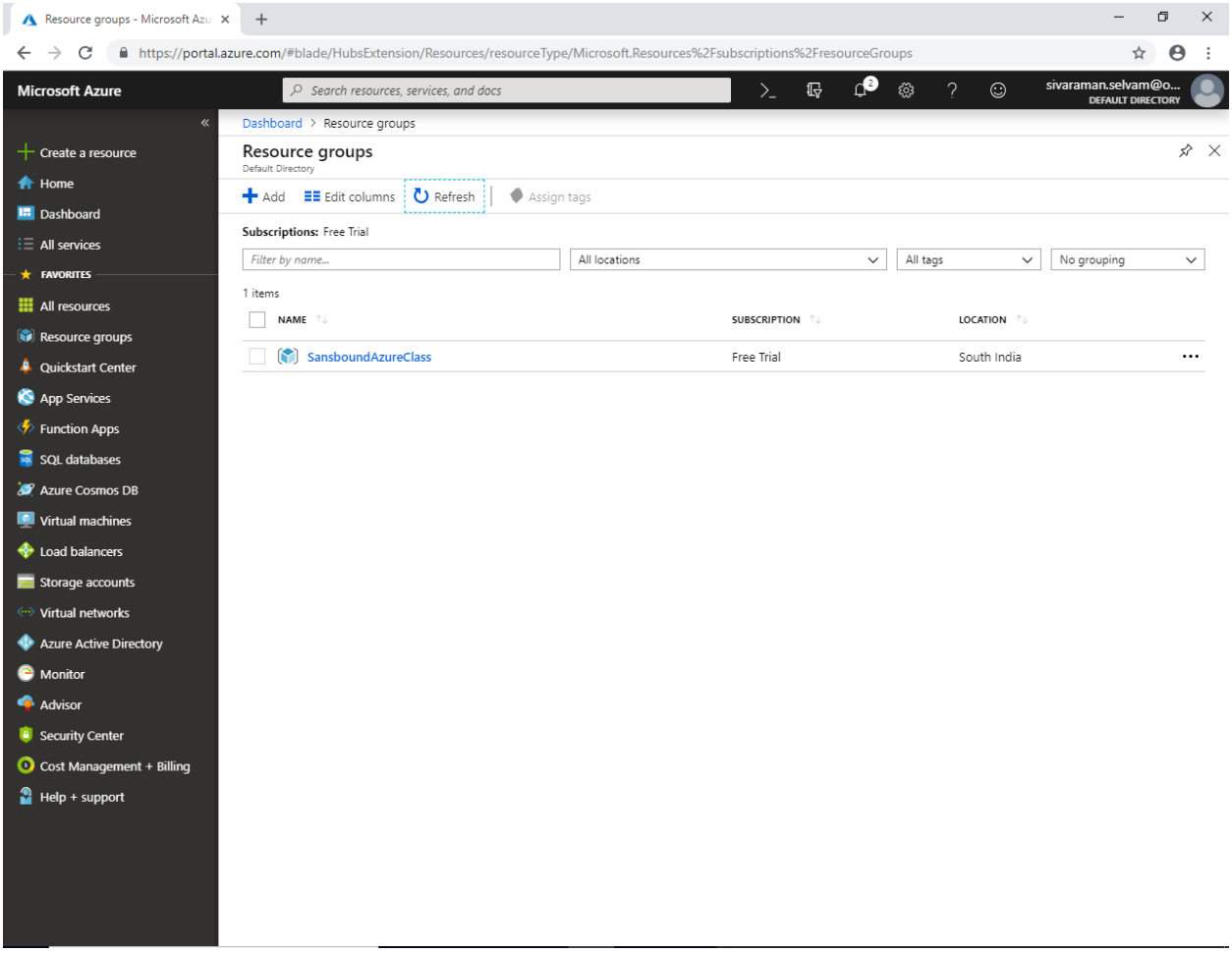
Subscription should be "Free Trial"

Region I will select "South India".



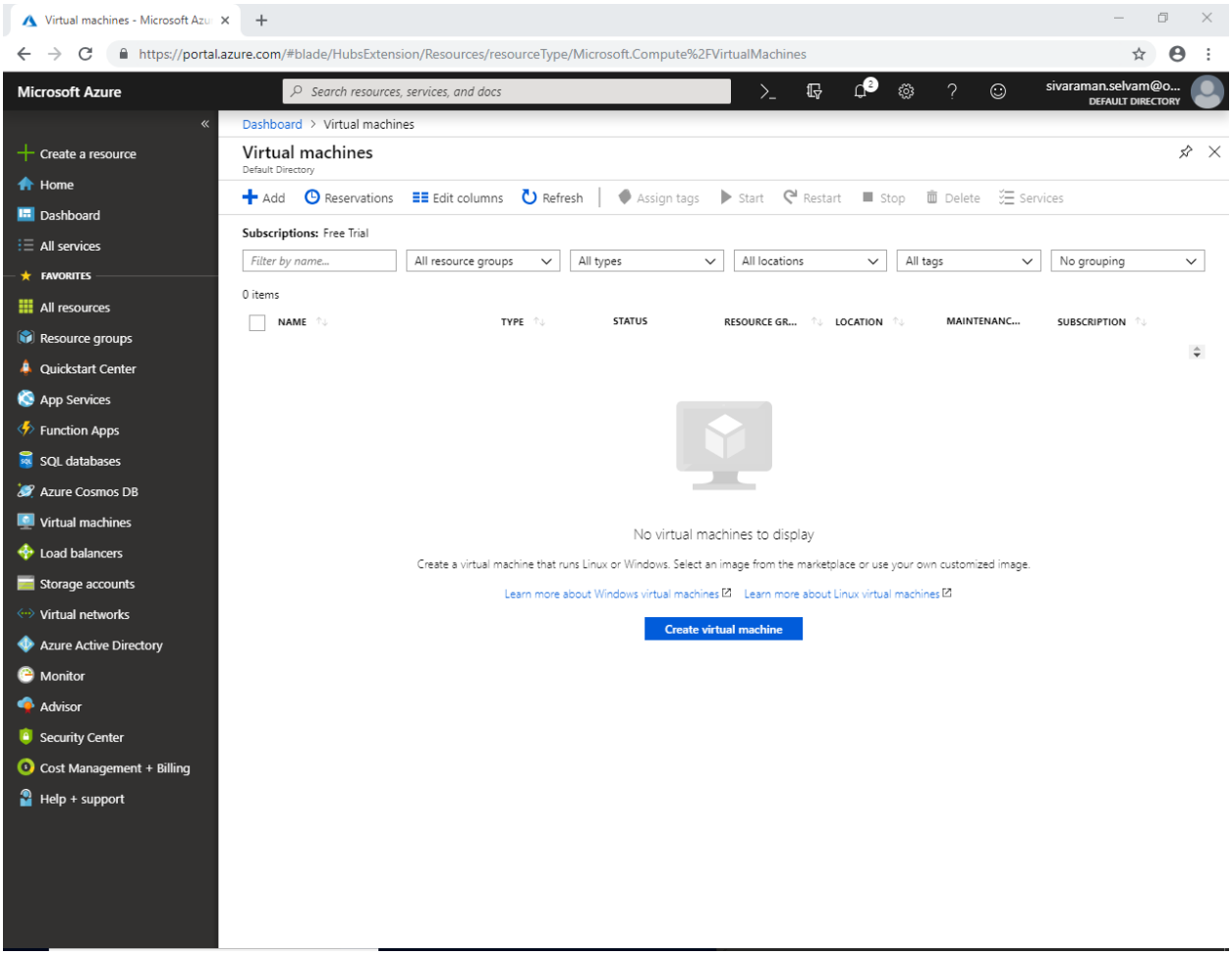
Click "Create".

In “Resource Groups” click “Refresh” to view the newly created “Resource Groups”.



In Dashboard, click “Virtual machines”

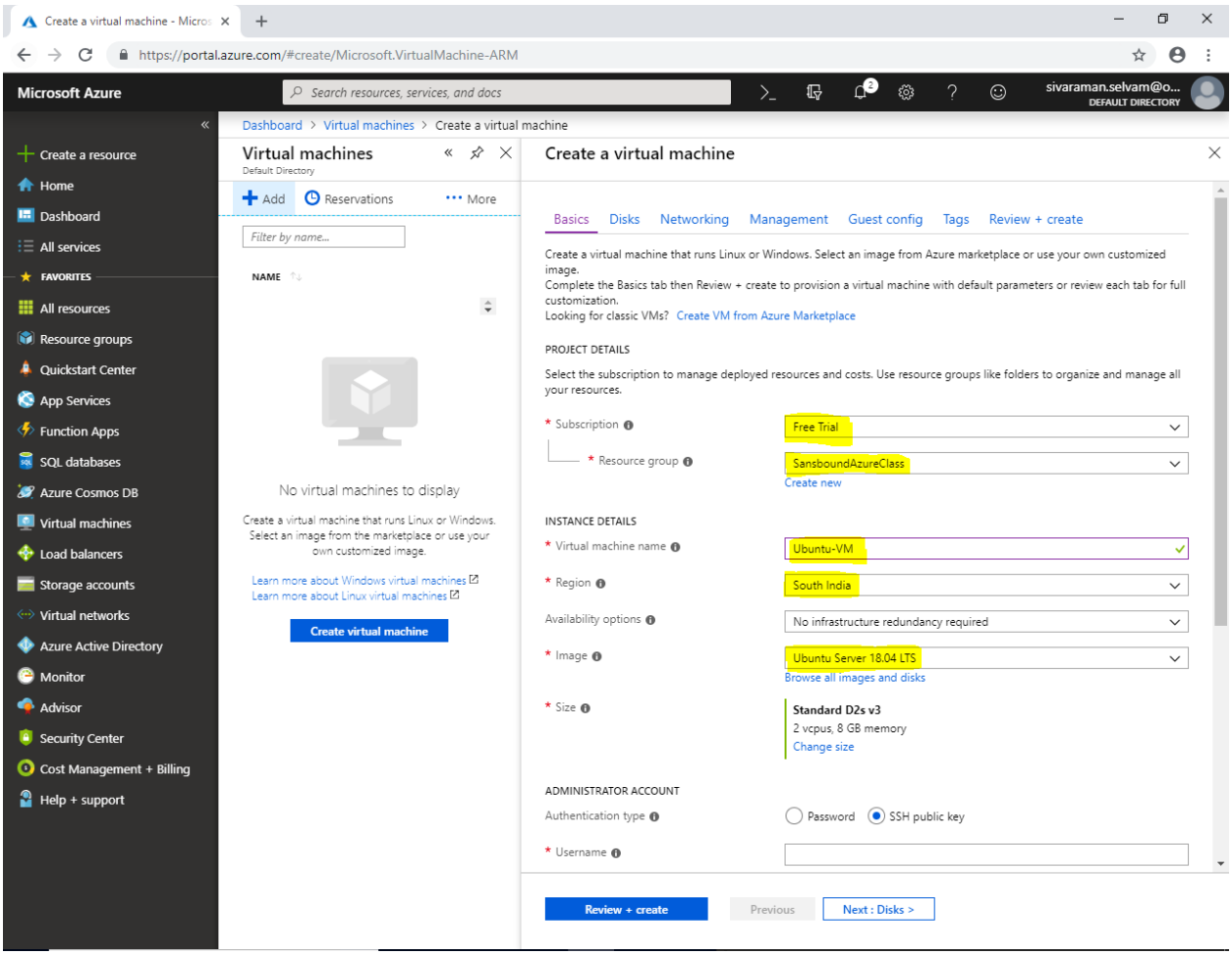
Click “Add”.



While creating Virtual machine, Select the Subscription "Free Trial" and select the "Resource Group" as "SansboundAzureClass".

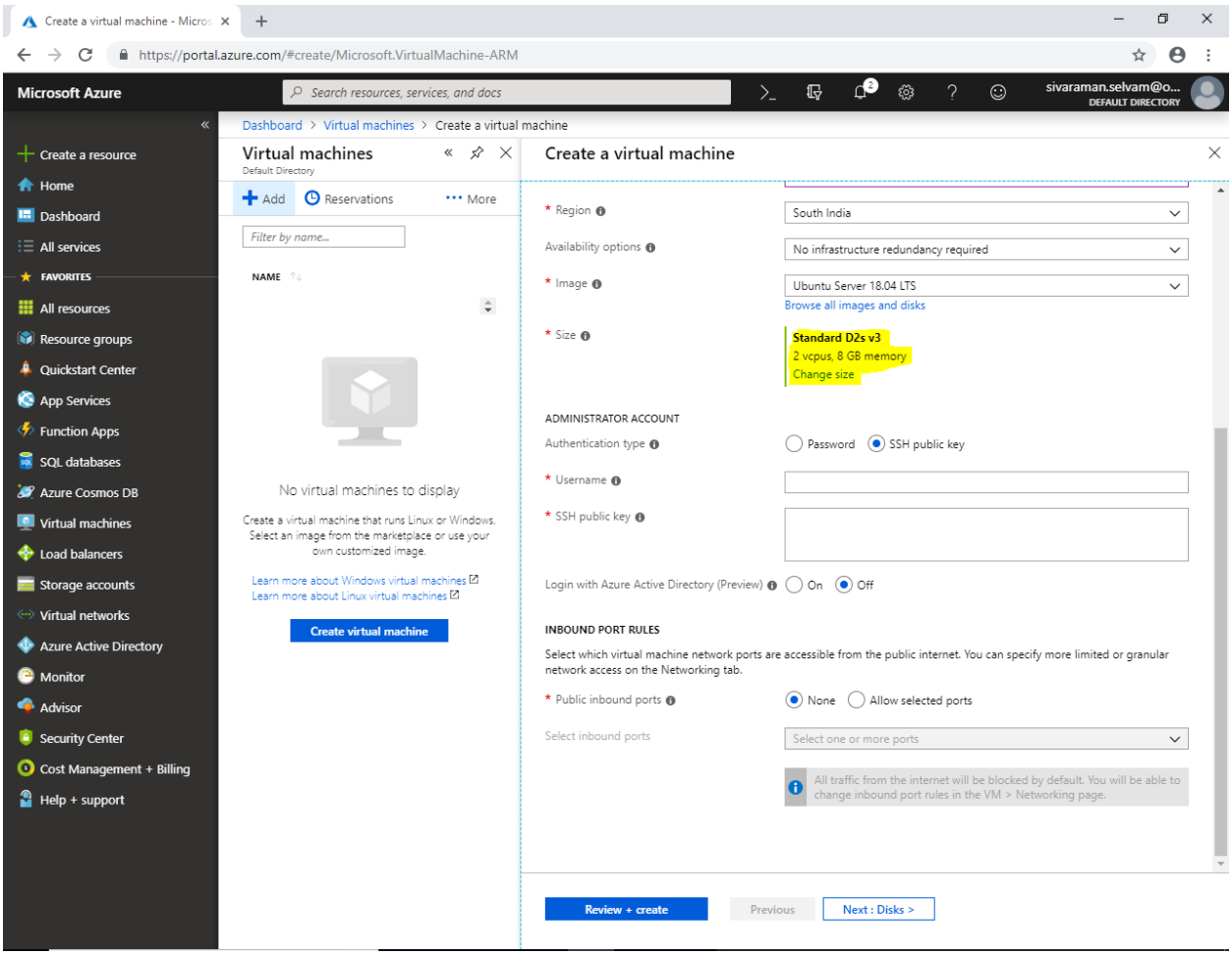
Type virtual machine name as "Ubuntu-VM" and select the Region as "South India".

Select OS Image as "Ubuntu Server 18.04 LTS".

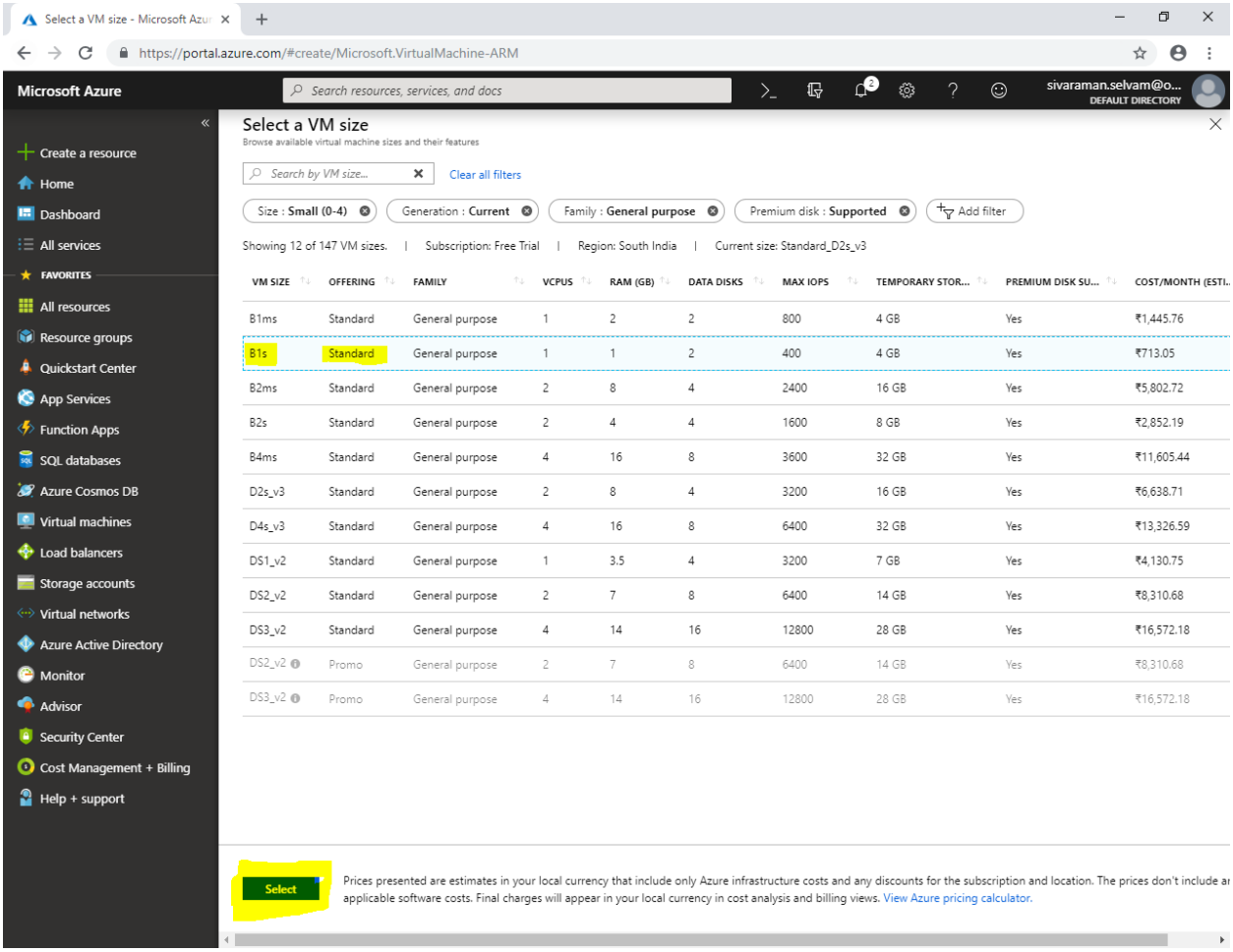


In Virtual machine size by default it has been selected "Standard D2s v3" with 2 vCPU's and 8 GB RAM.

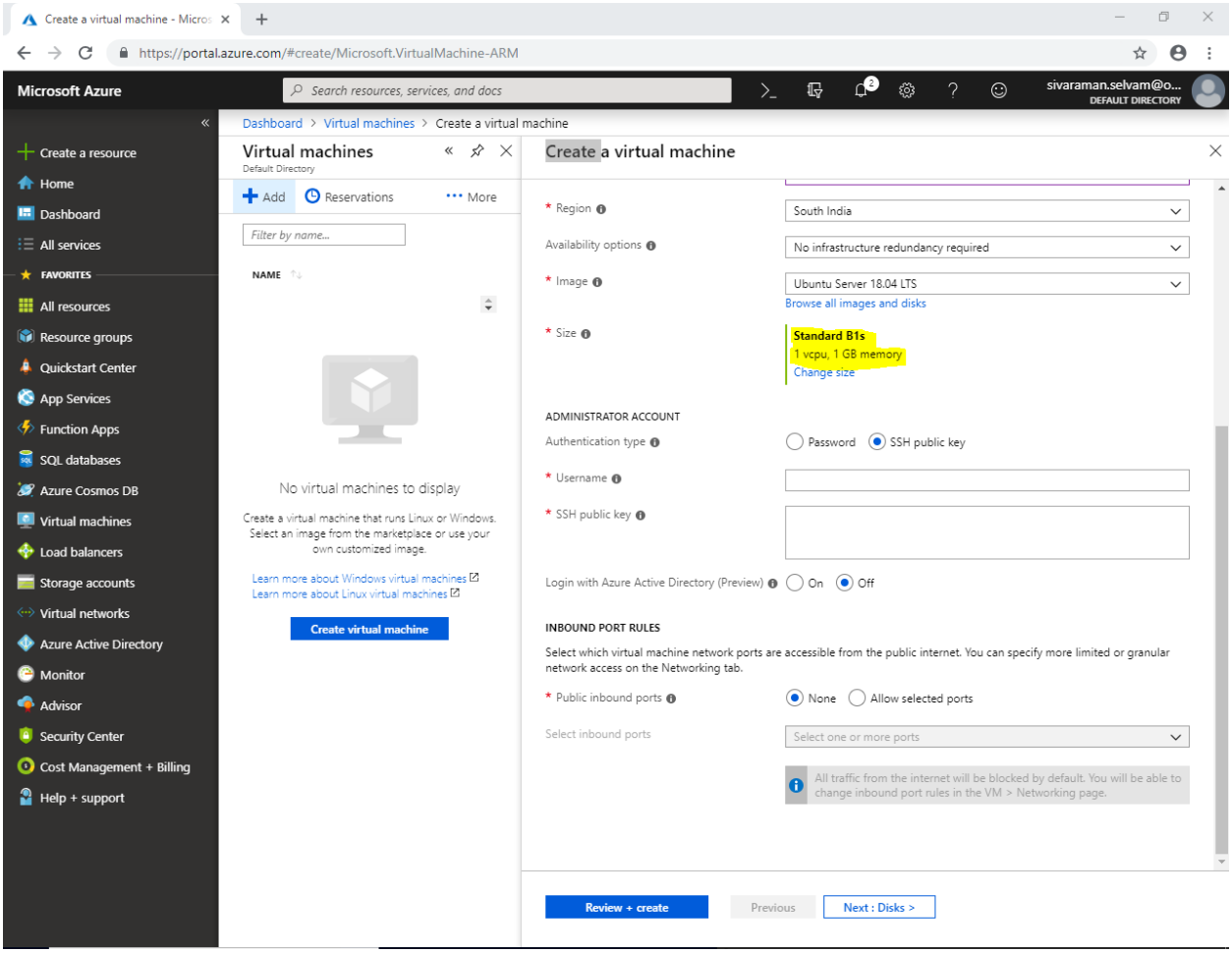
Click "Change size" But, we need to change it to as Standard "B1s" manually.



Select Virtual machine size as Standard "B1s" and click "Select" button at bottom of the portal.

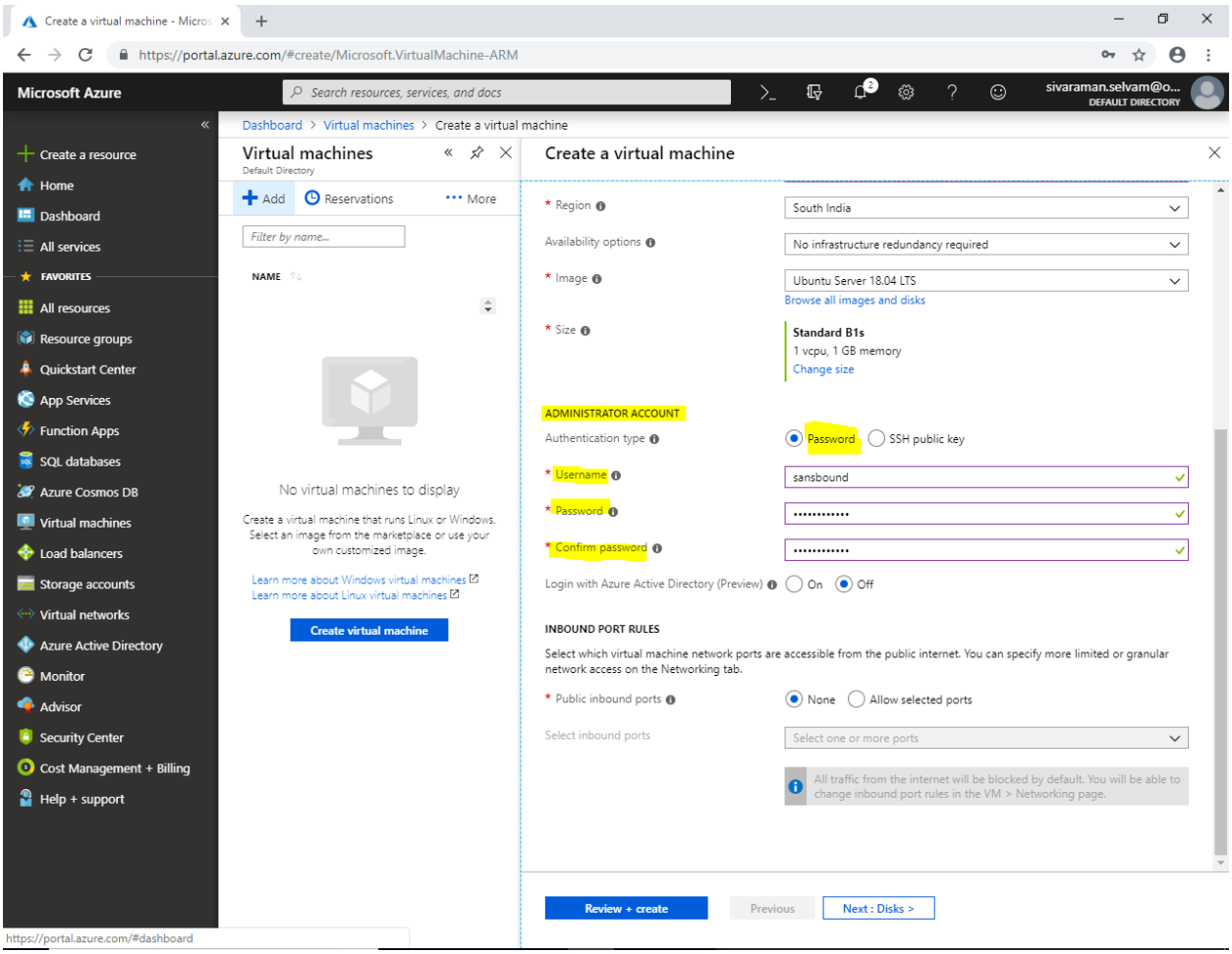


Ensure that VM Size is “Standard B1s” is selected.

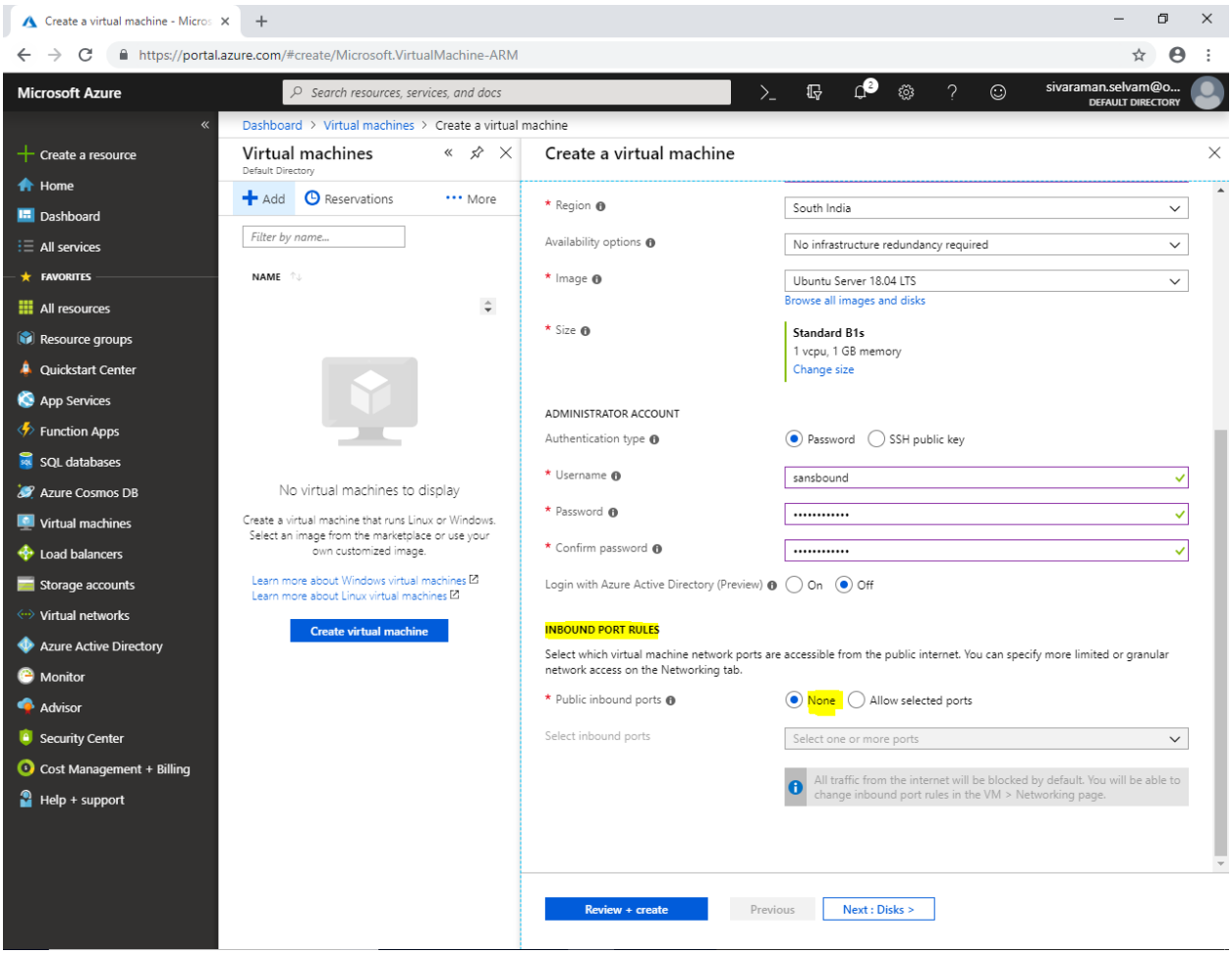

Create a virtual machine - Micros
https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM
Microsoft Azure
Search resources, services, and docs
sivaraman.selvam@o...
DEFAULT DIRECTORY
Create a resource
Home
Dashboard
All services
FAVORITES
All resources
Resource groups
Quickstart Center
App Services
Function Apps
SQL databases
Azure Cosmos DB
Virtual machines
Load balancers
Storage accounts
Virtual networks
Azure Active Directory
Monitor
Advisor
Security Center
Cost Management + Billing
Help + support
Dashboard > Virtual machines > Create a virtual machine
Virtual machines
Default Directory
Add
Reservations
More
Filter by name...
NAME
No virtual machines to display
Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.
Learn more about Windows virtual machines
Learn more about Linux virtual machines
Create virtual machine
Create a virtual machine
* Region
South India
Availability options
No infrastructure redundancy required
* Image
Ubuntu Server 18.04 LTS
Browse all images and disks
* Size
Standard B1s
1 vcpu, 1 GB memory
Change size
ADMINISTRATOR ACCOUNT
Authentication type
Password
SSH public key
* Username
* SSH public key
Login with Azure Active Directory (Preview)
On
Off
INBOUND PORT RULES
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
* Public inbound ports
None
Allow selected ports
Select inbound ports
Select one or more ports
All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.
Review + create
Previous
Next : Disks >

In "Administrator Account" click the option "Password" and type username to access the virtual machine remotely.

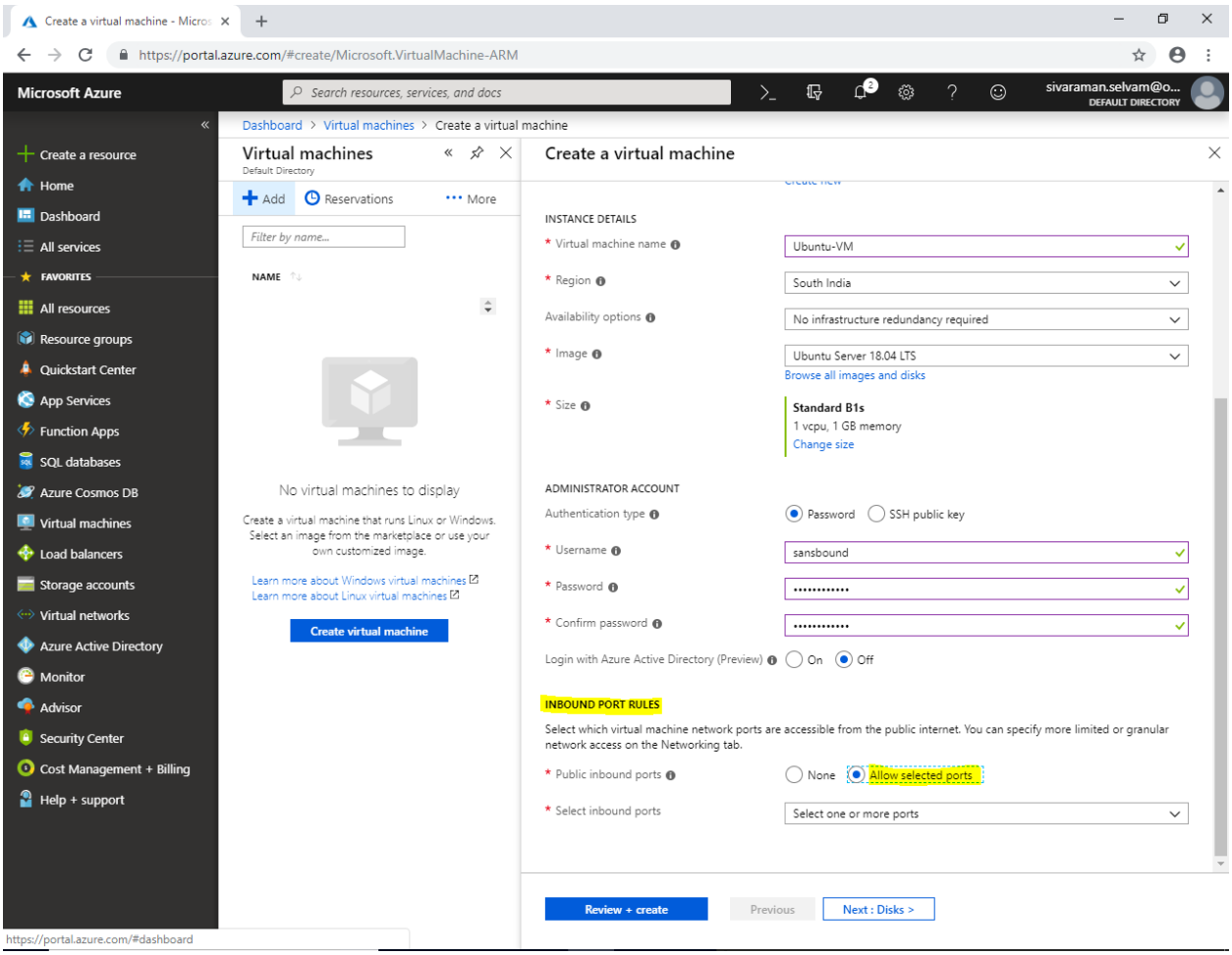
Set "Password" with 12 characters to access the server remotely.



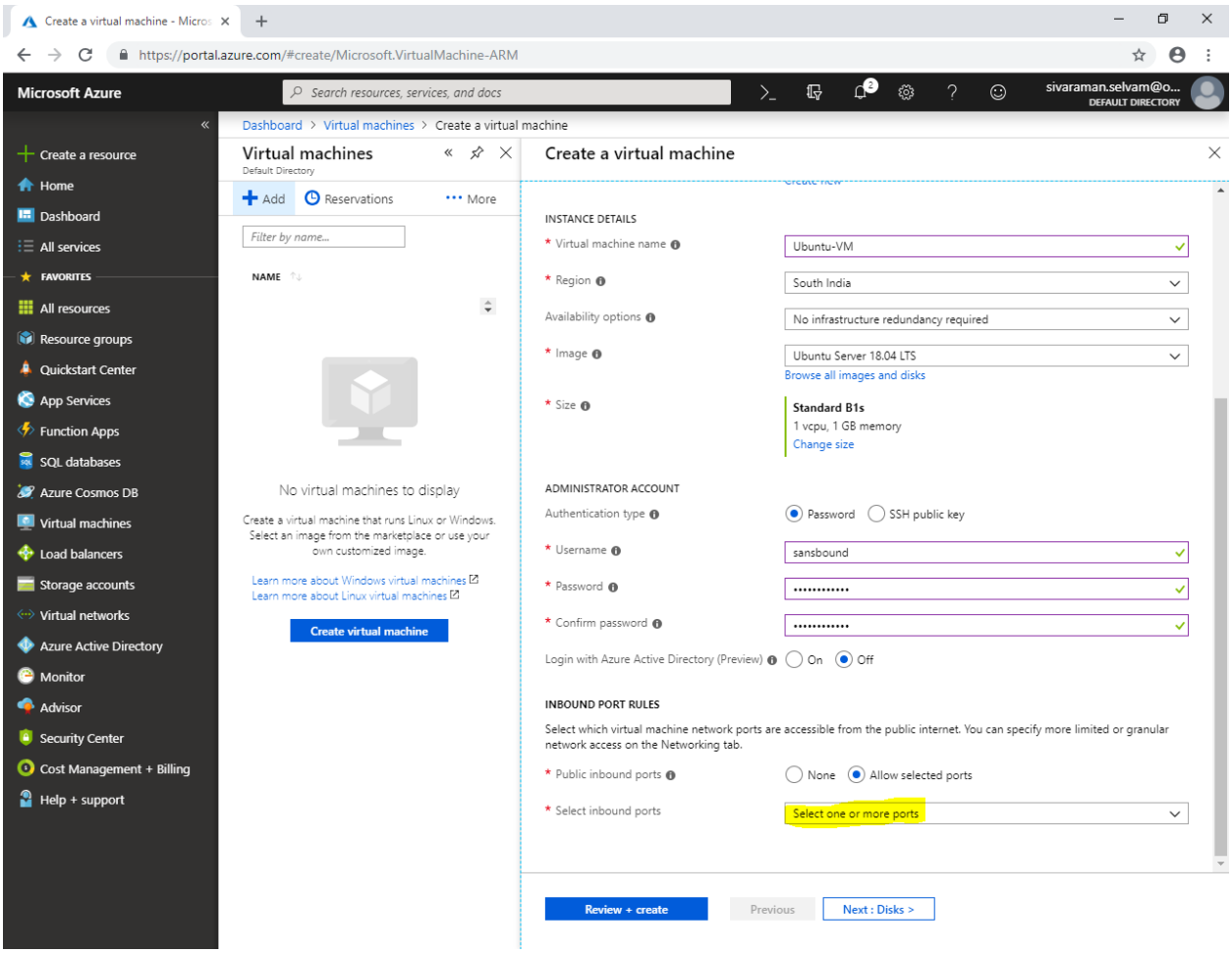
In “Inbound Port Rules” by default it has been set as none.



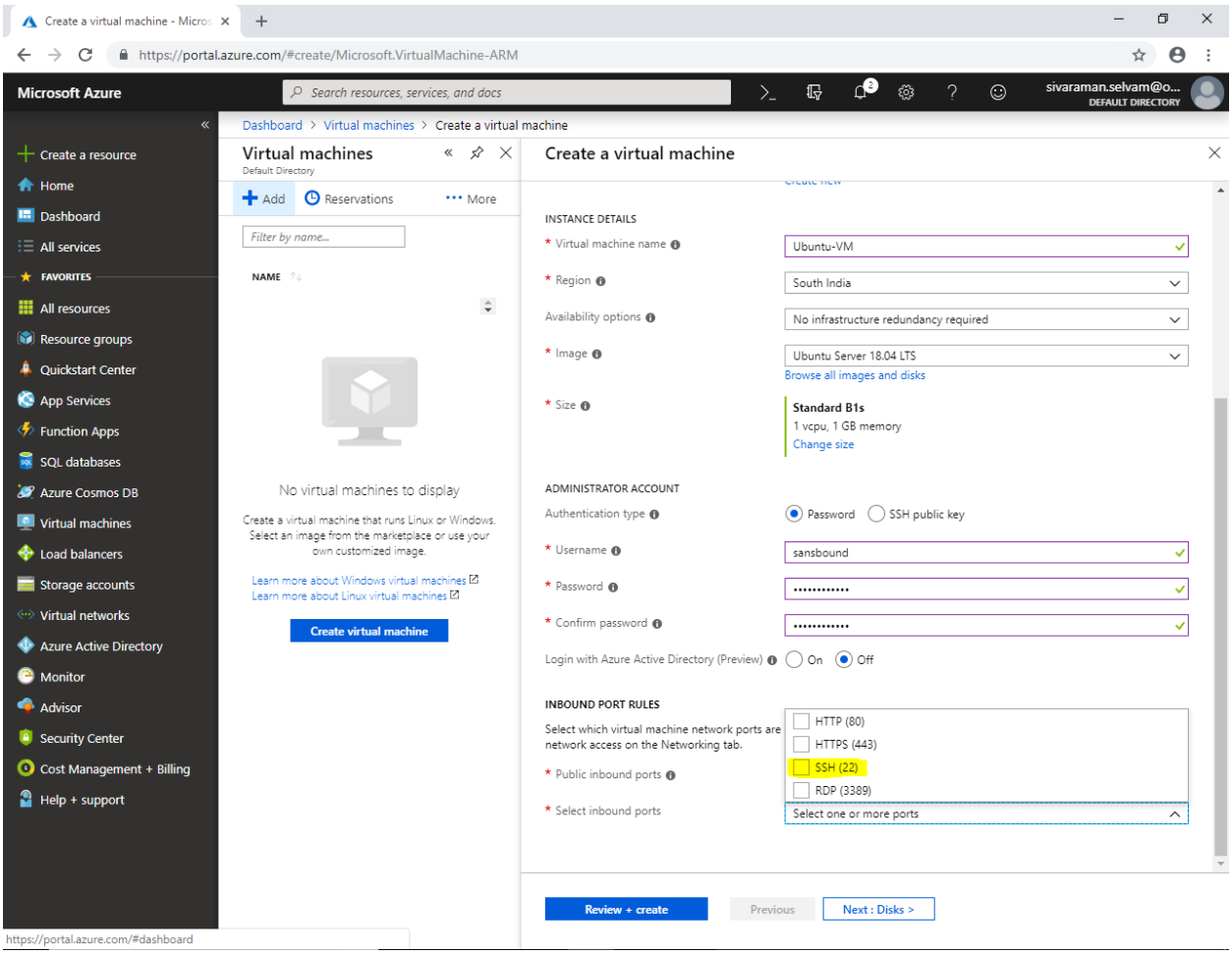
In “Inbound Port Rules” click “Allow selected ports”.



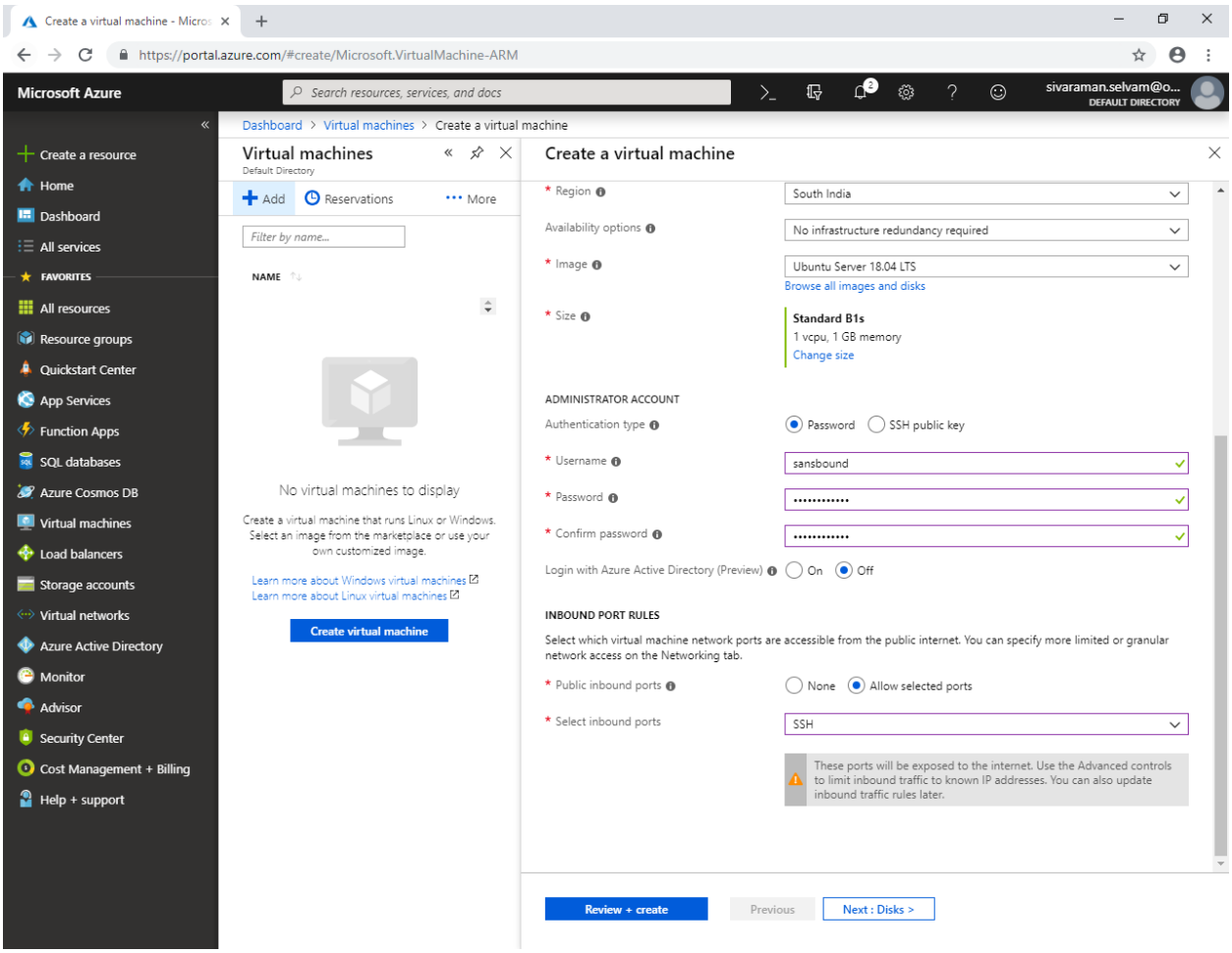
Click “Select One or more ports”.



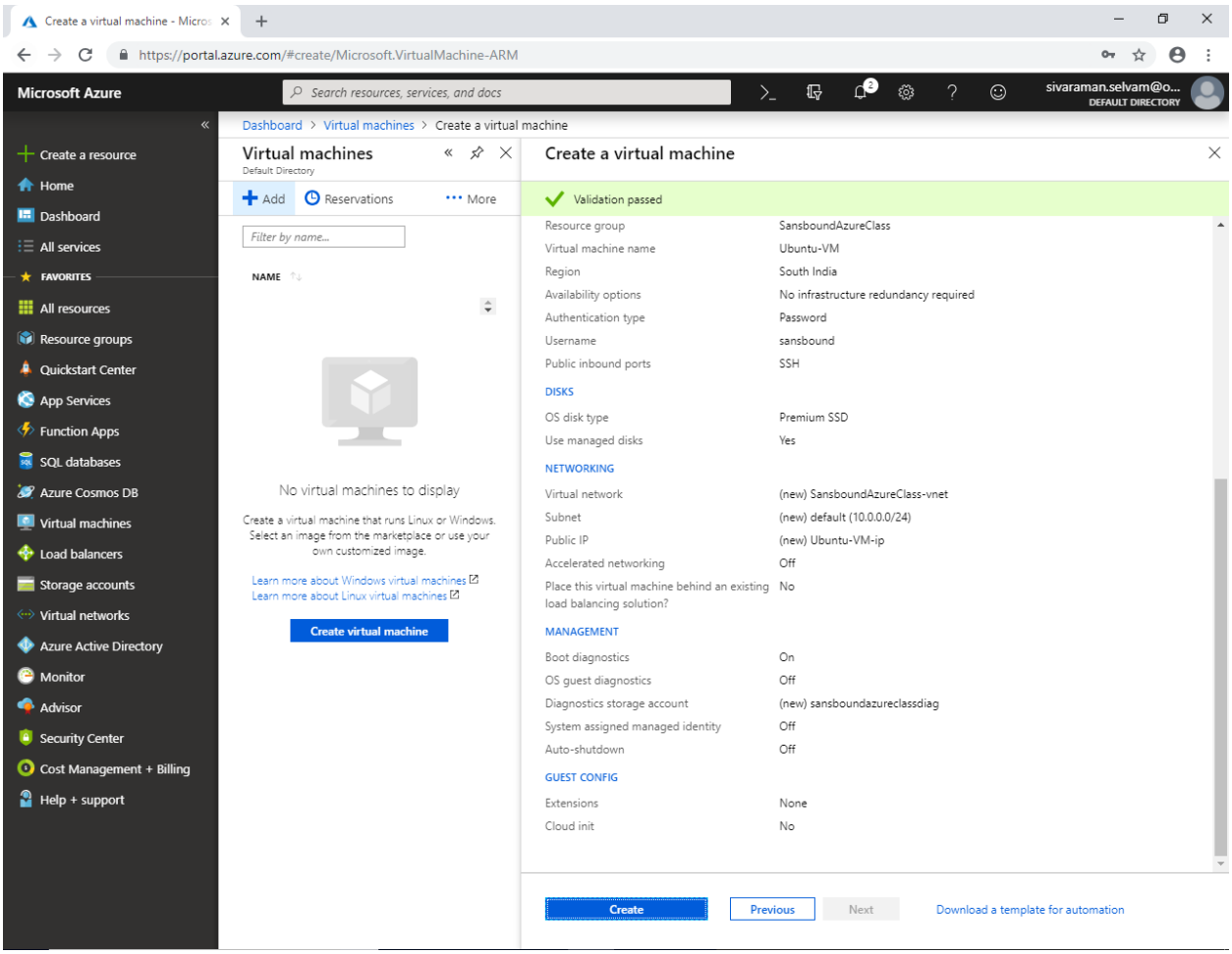
In “Selected Inbound Ports” drop down list, select “SSH (22)”.



Click “Review and Create”.

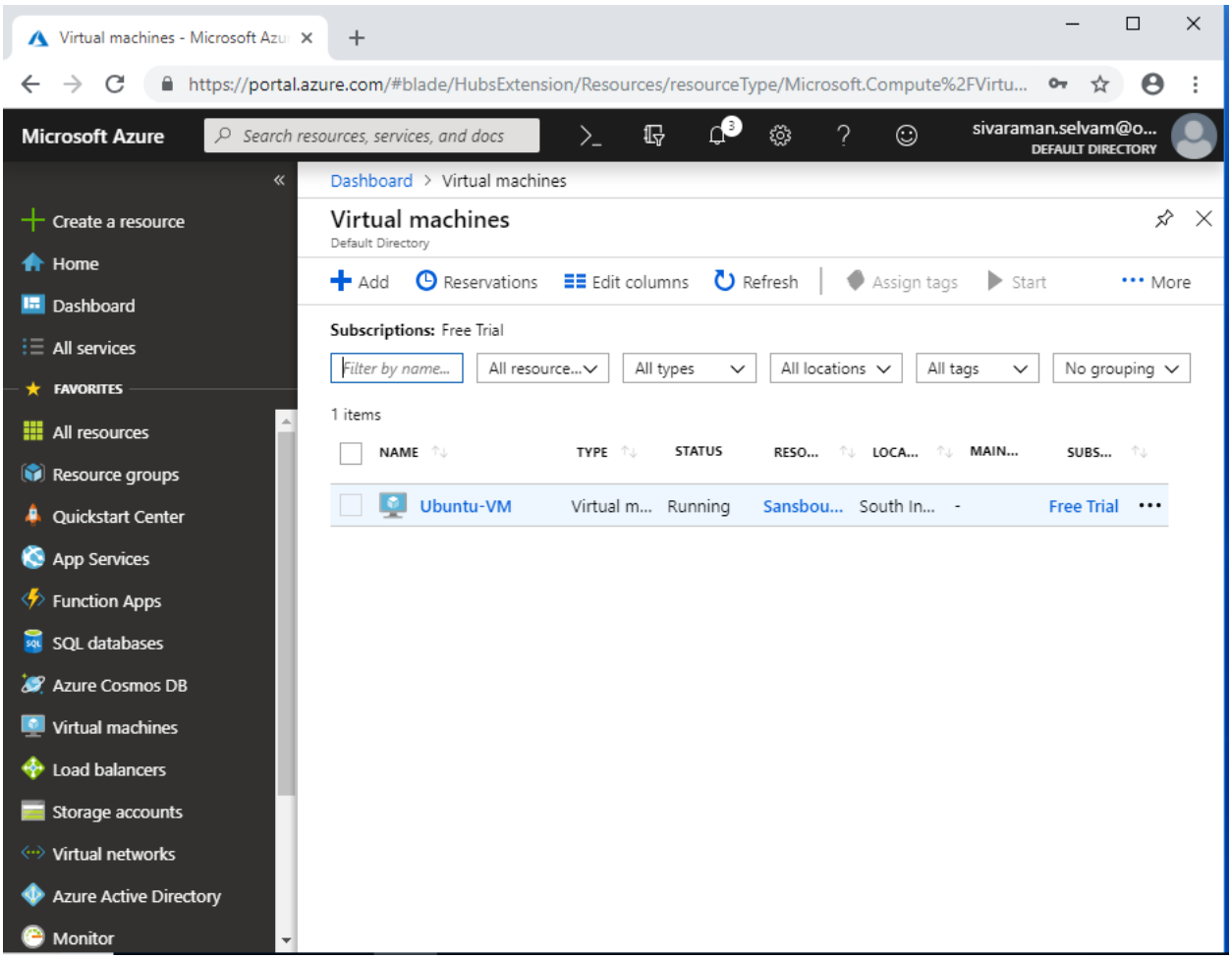


Click “Create” to create Virtual machine.

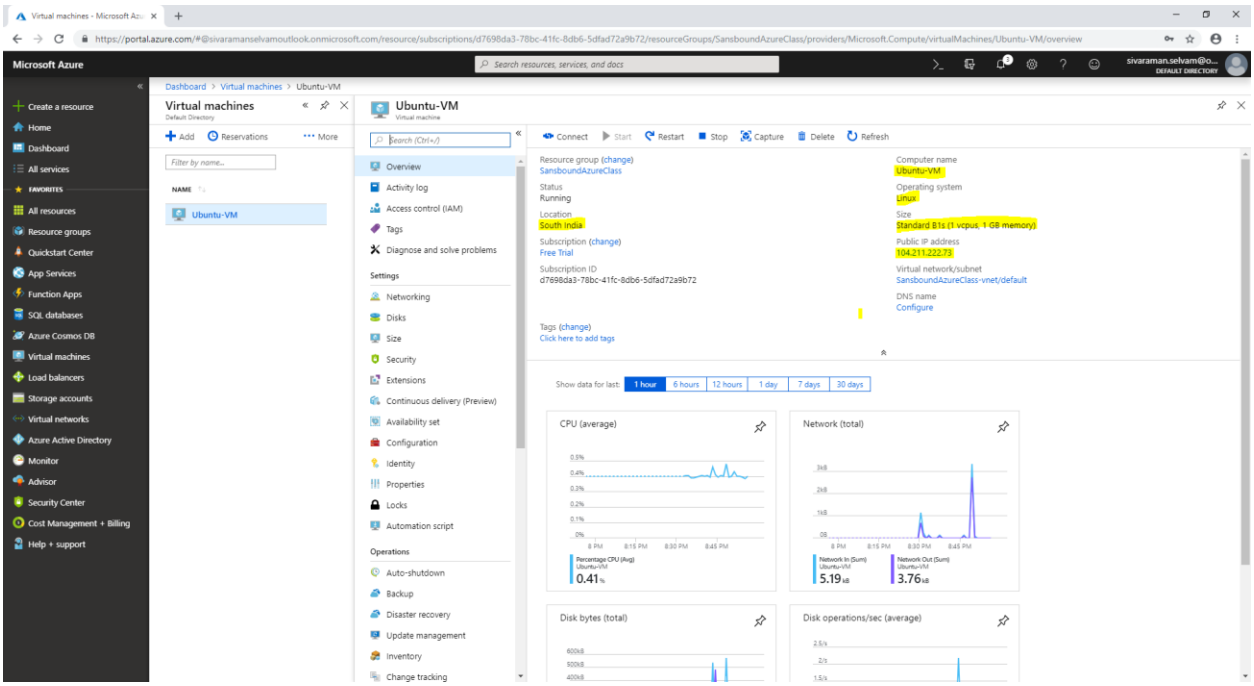


Ubuntu VM has been deployed successfully.

Click “Ubuntu-VM”



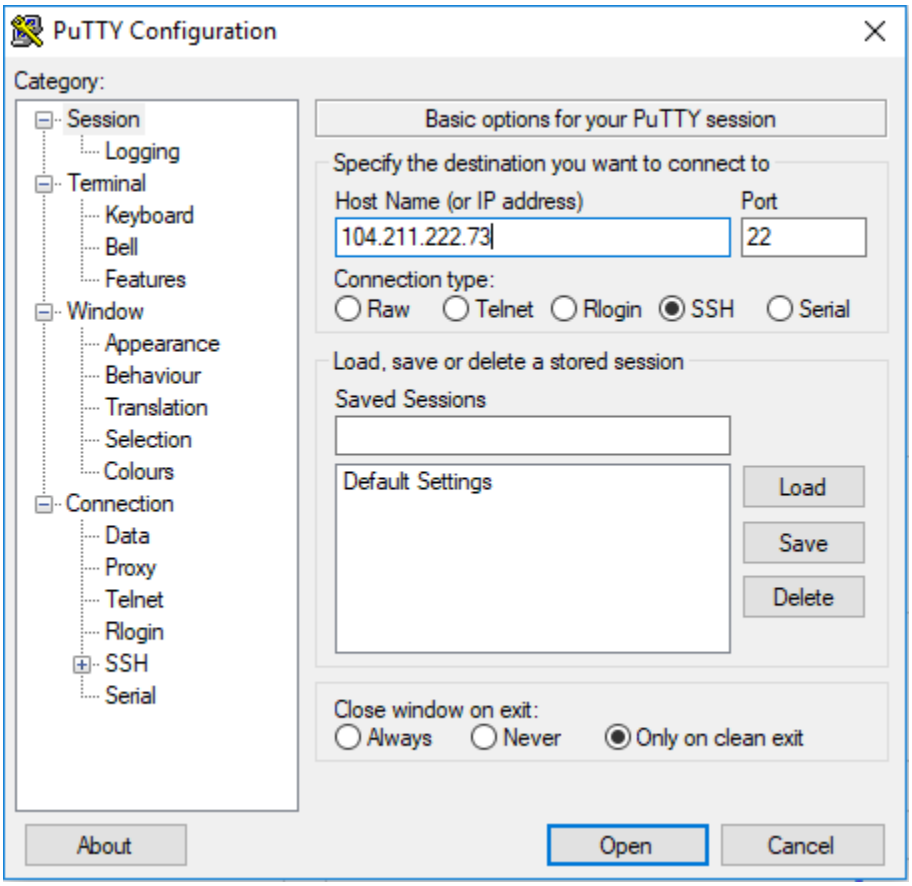
In Ubuntu-VM you have got the public IP address as 104.211.222.73



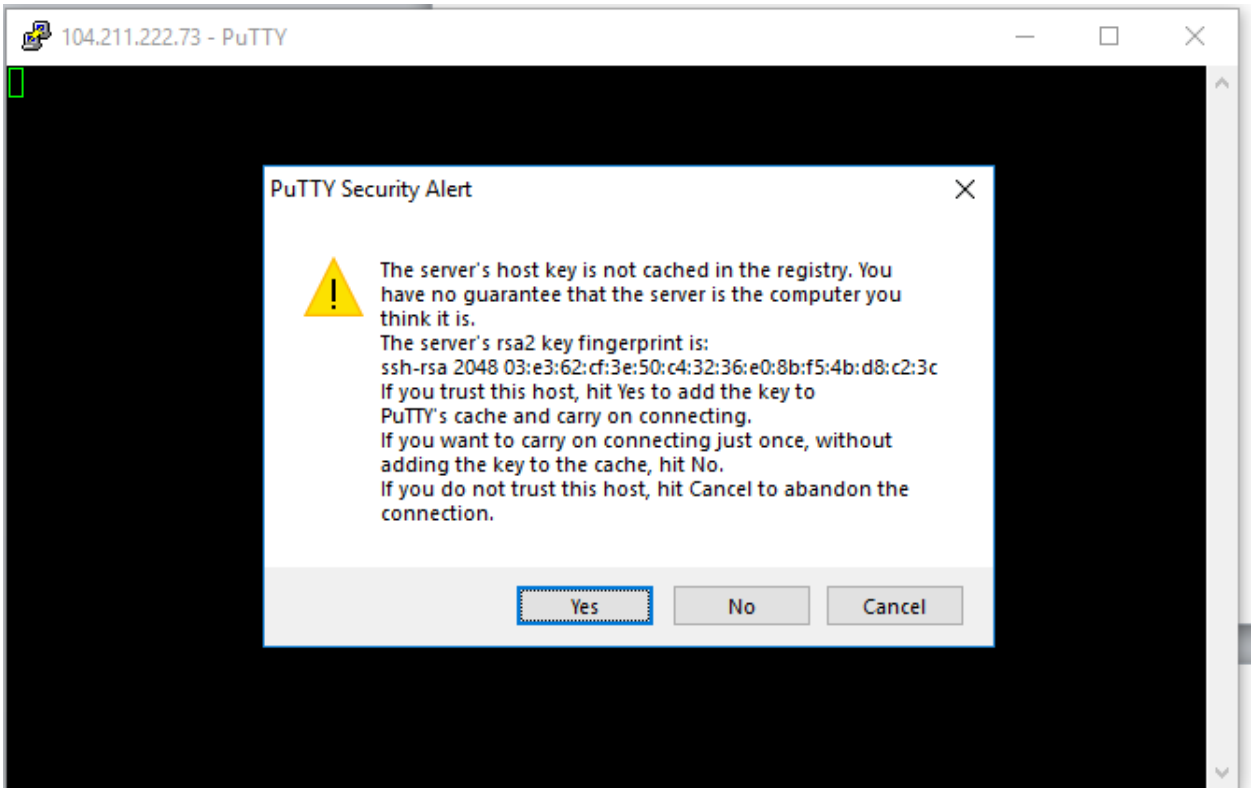
We have required to access the Ubuntu server by using putty.exe.

If you have putty, please launch the exe otherwise download it from internet.

Type the IP of Ubuntu server and Click "Open" to access the server through SSH.

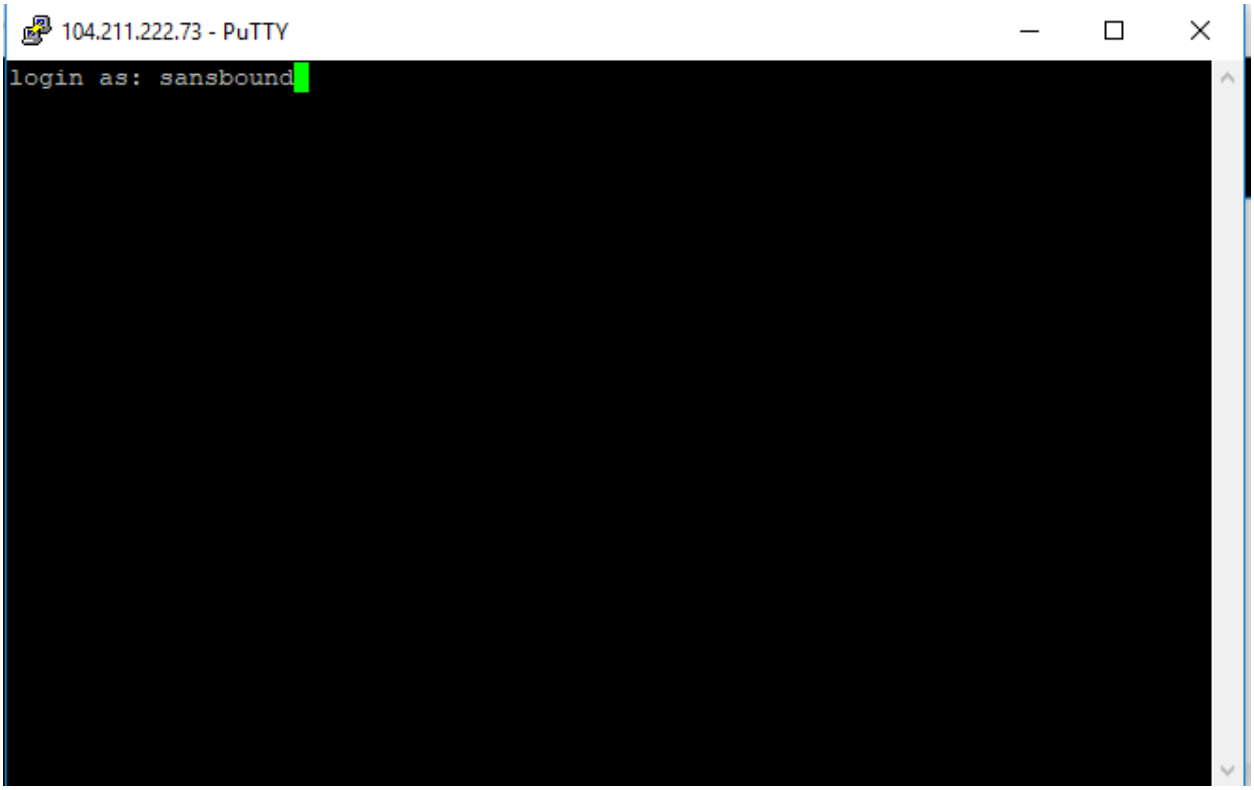


Click “Yes”.

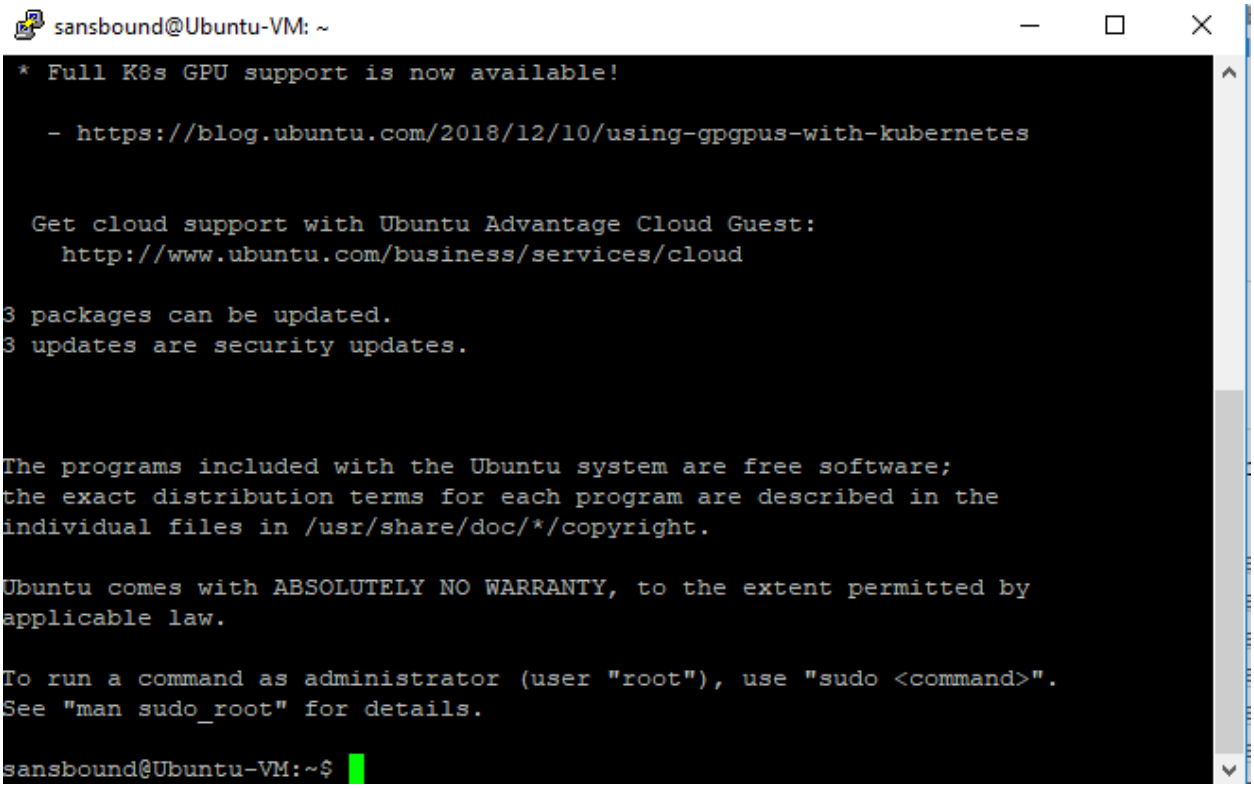

104.211.222.73 - PuTTY
PuTTY Security Alert
The server's host key is not cached in the registry. You have no guarantee that the server is the computer you think it is.
The server's rsa2 key fingerprint is:
ssh-rsa 2048 03:e3:62:cf:3e:50:c4:32:36:e0:8b:f5:4b:d8:c2:3c
If you trust this host, hit Yes to 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”.

Type password of “Ubuntu Server” and press “Enter”.

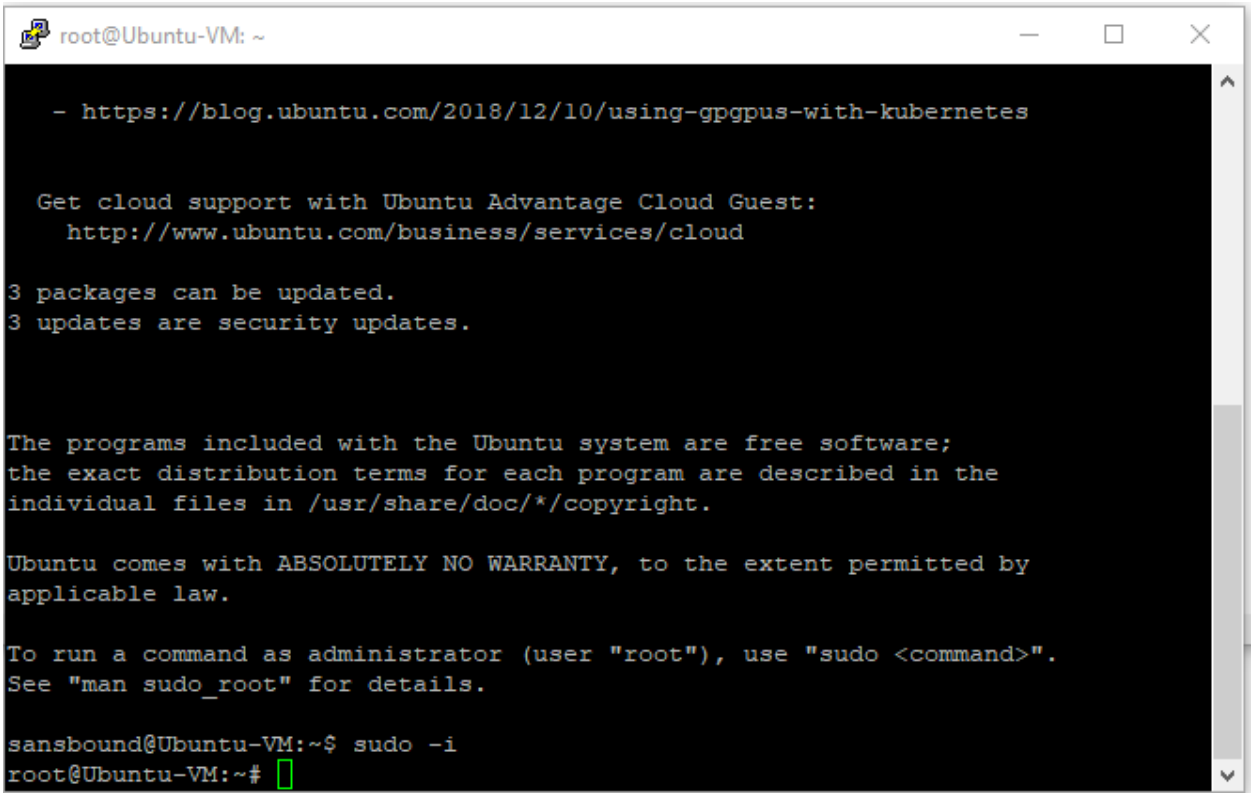


Now you have successfully logged into the Ubuntu Server.



Type sudo –i and press “Enter” to login as root account.

You are able to see that Ubuntu has been logged in with root account.



Note : Now you can stop the virtual machine and delete the Resource groups in Free trial / learning purpose only. Please do not delete the Resource group in Realtime environment.