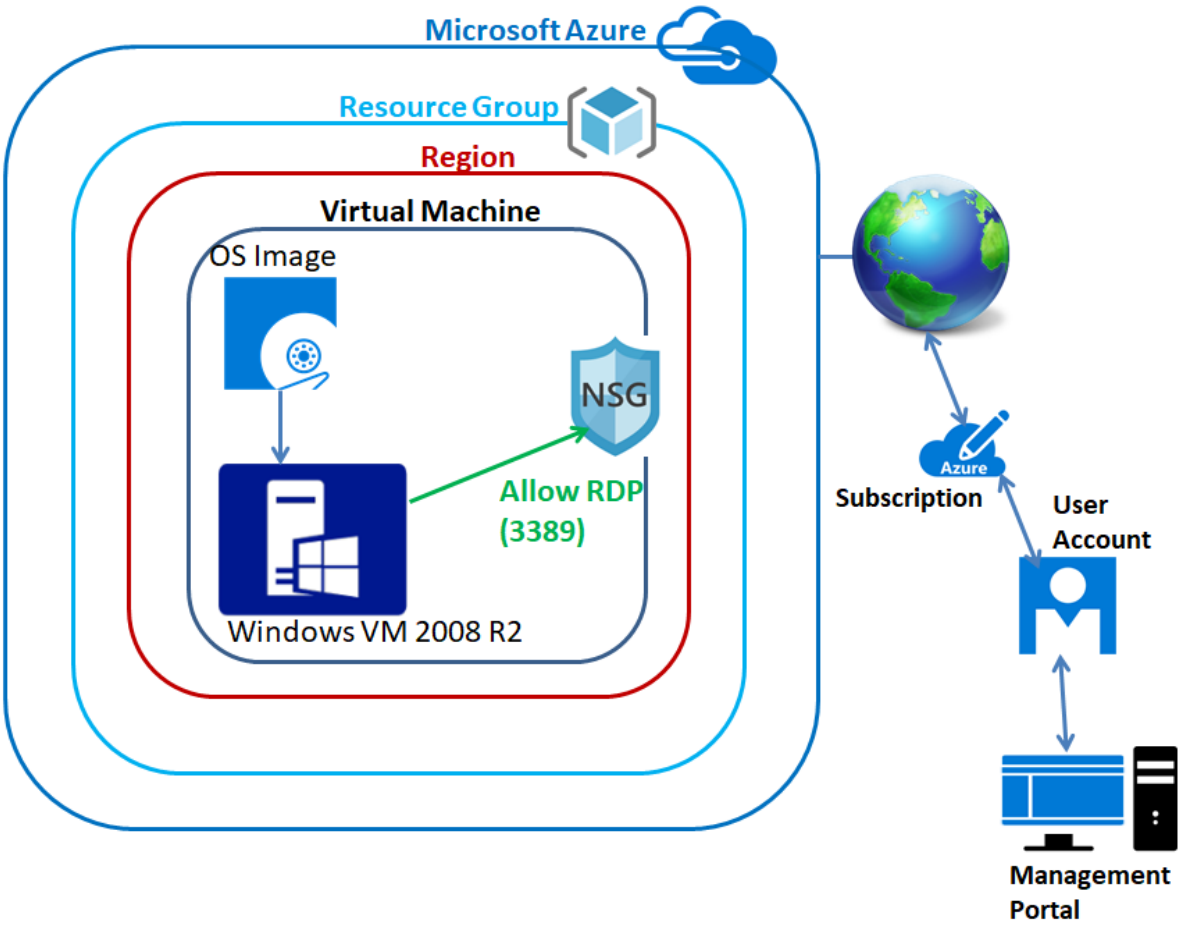
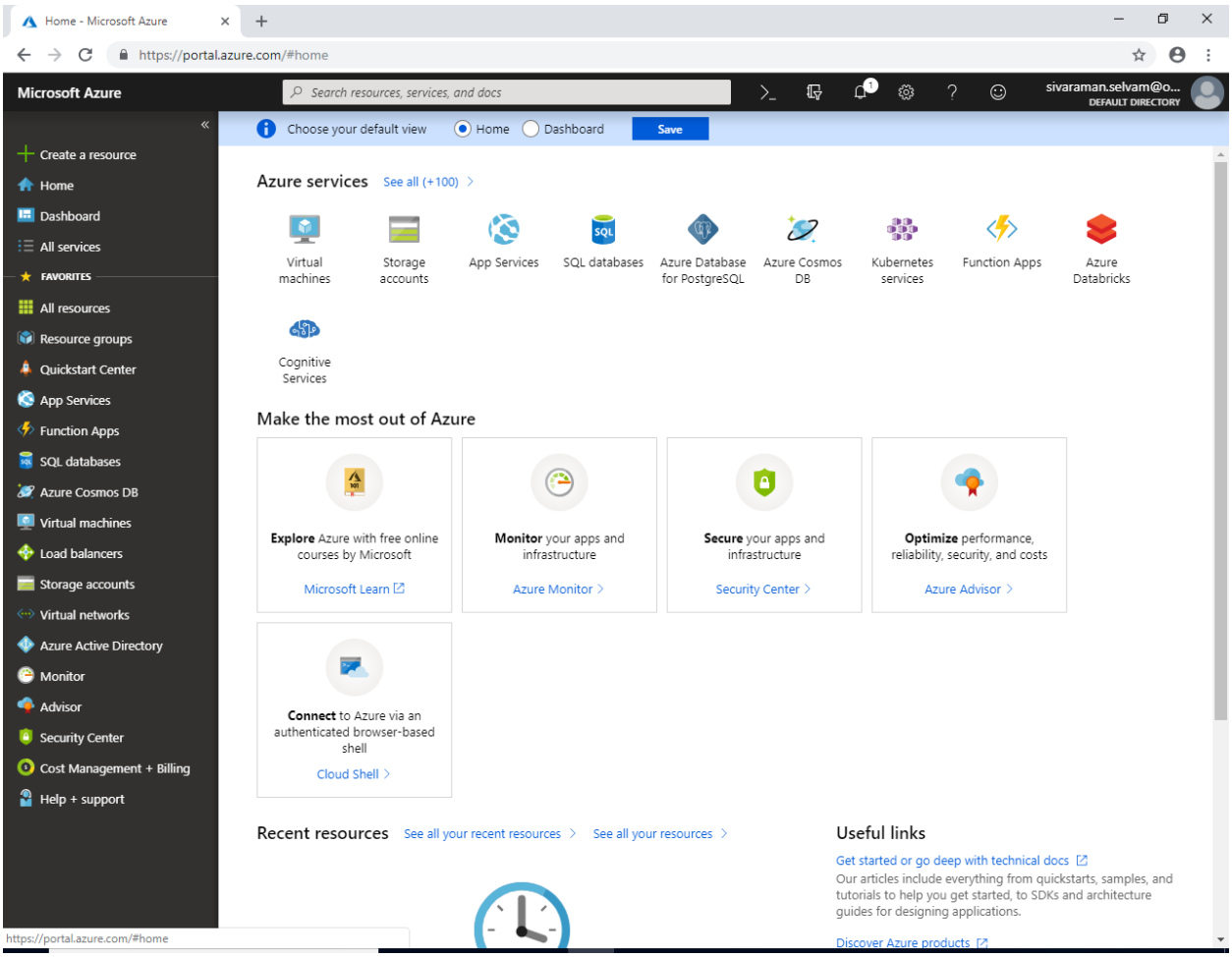
Lab1 – Creating Virtual Machine - Windows in Azure



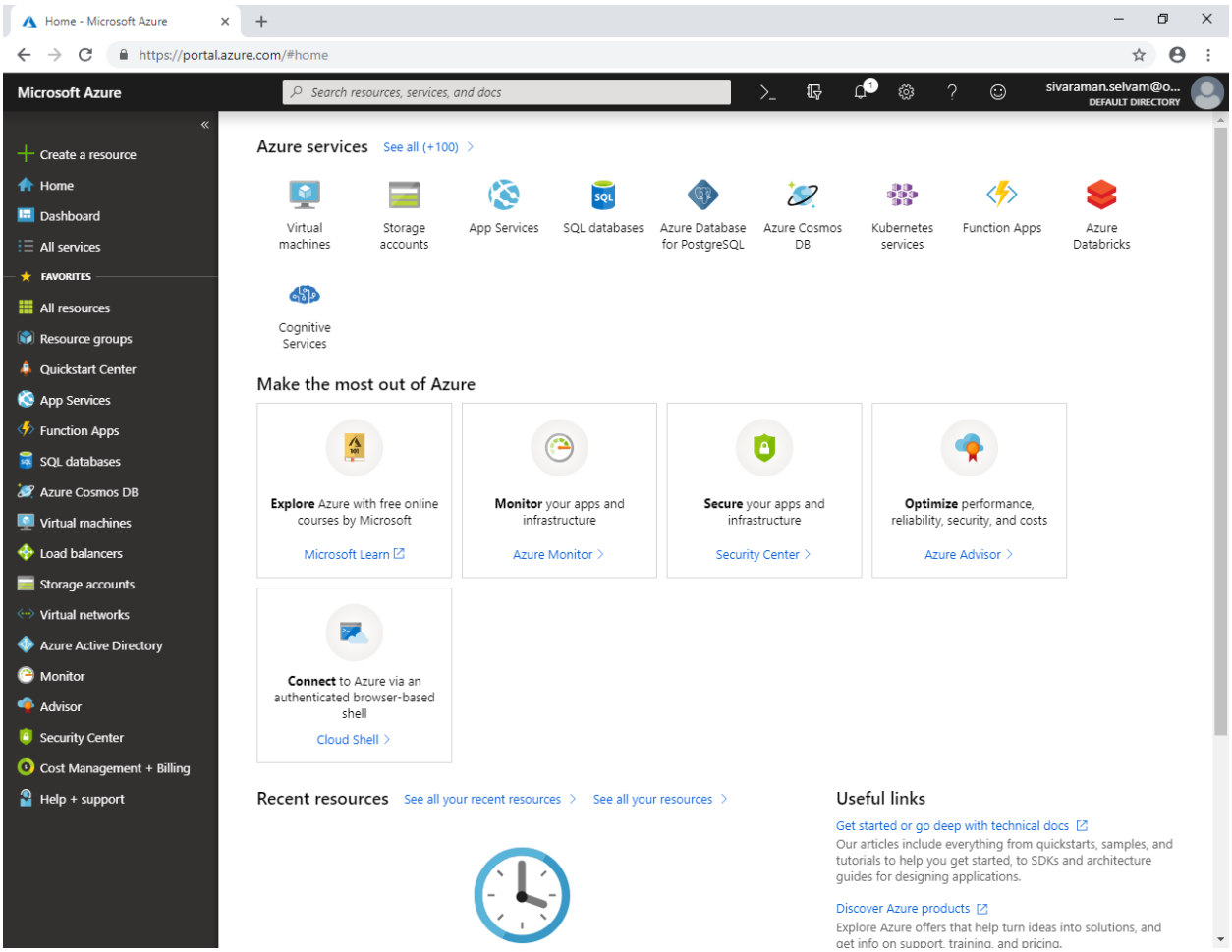
Login to https://portal.azure.com with outlook login credentials.

Click option button on "Dashboard" and click "Save".



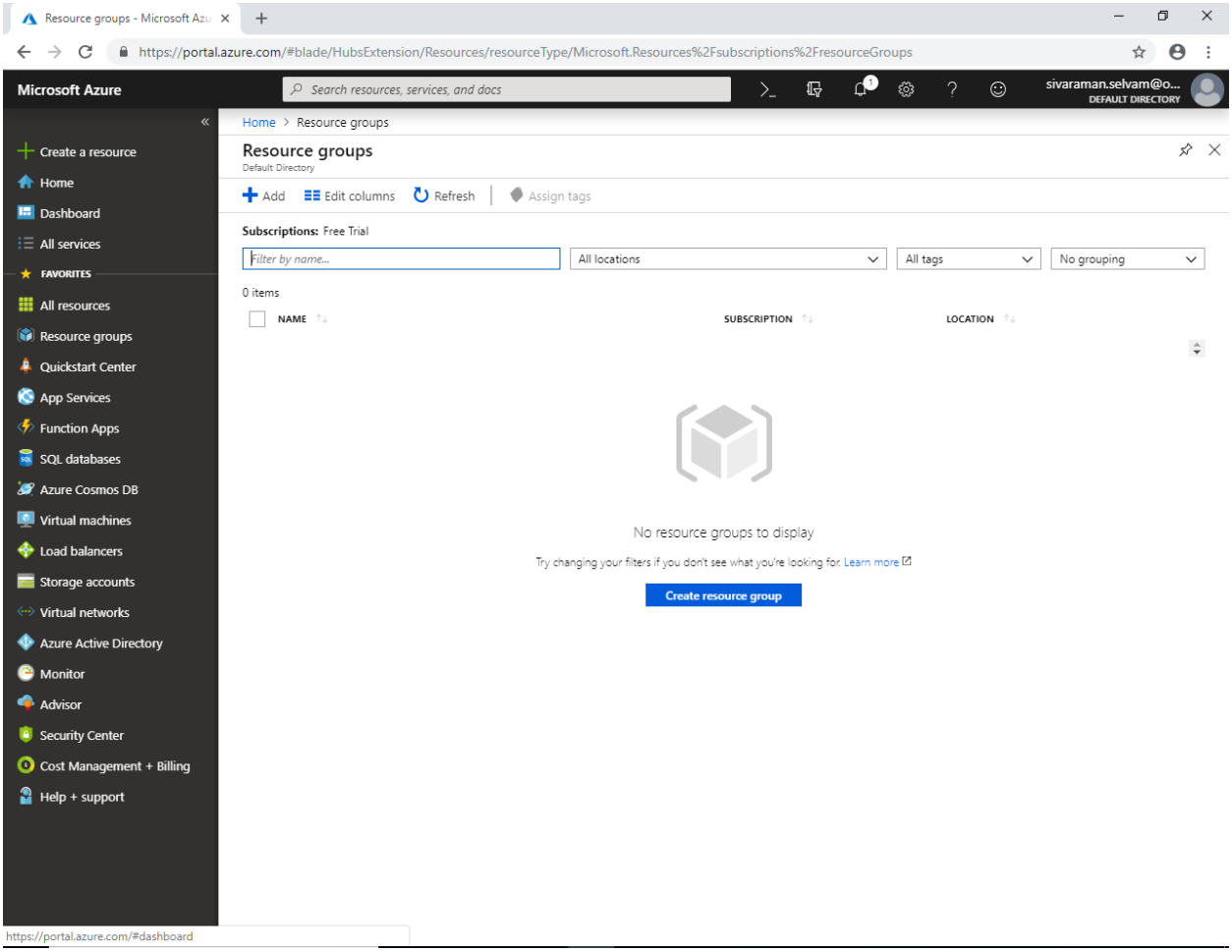
Now we have required to create a resource group first to create a Virtual machine in Azure.

Click "Resource Groups" in Left side to create a "Resource Group".

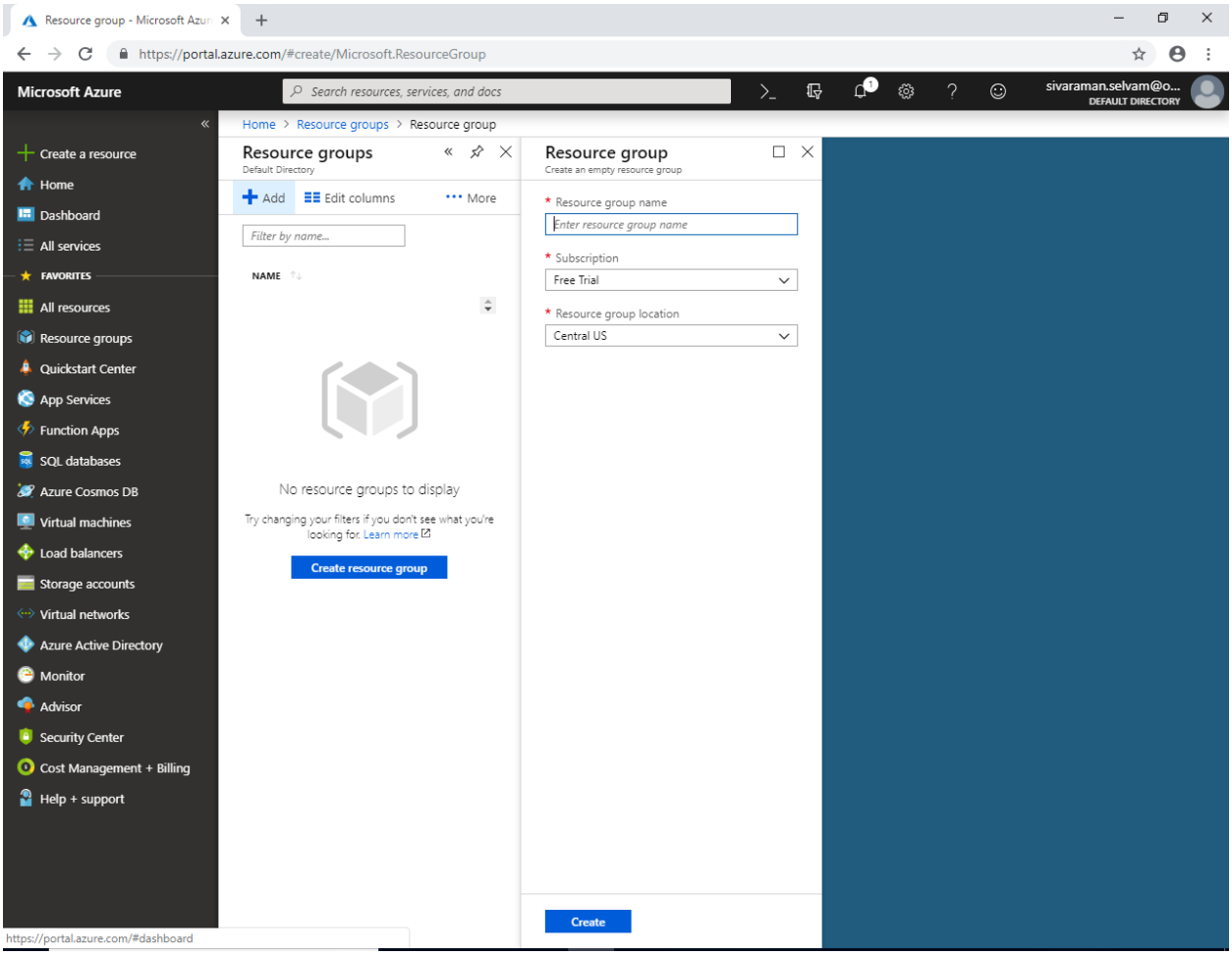


In Resource groups,

Click "Add" to create a new Resource groups.



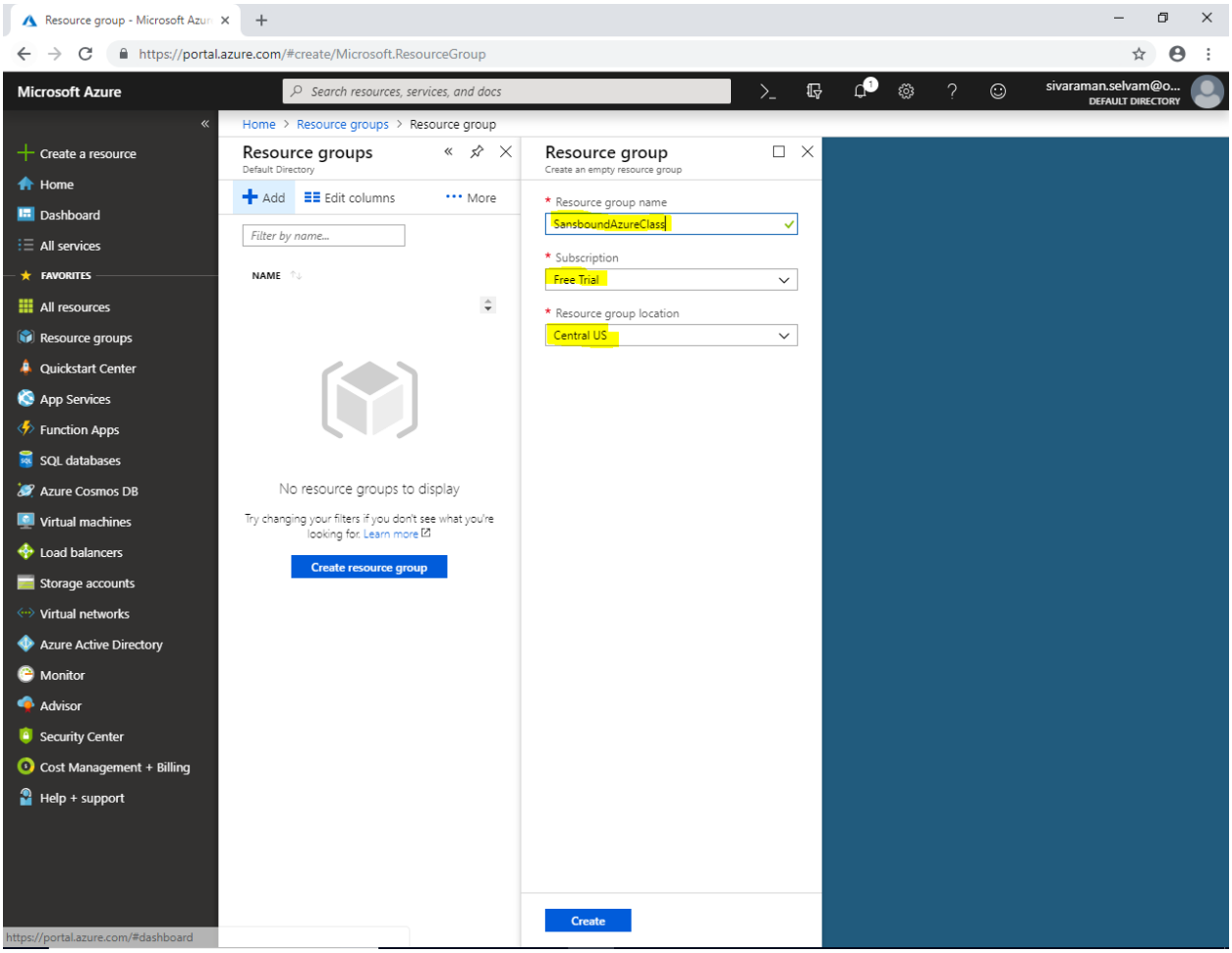
While creating Resource group it has required "Resource group name"



Type “Resource Group” name as “SansboundAzureClass”.

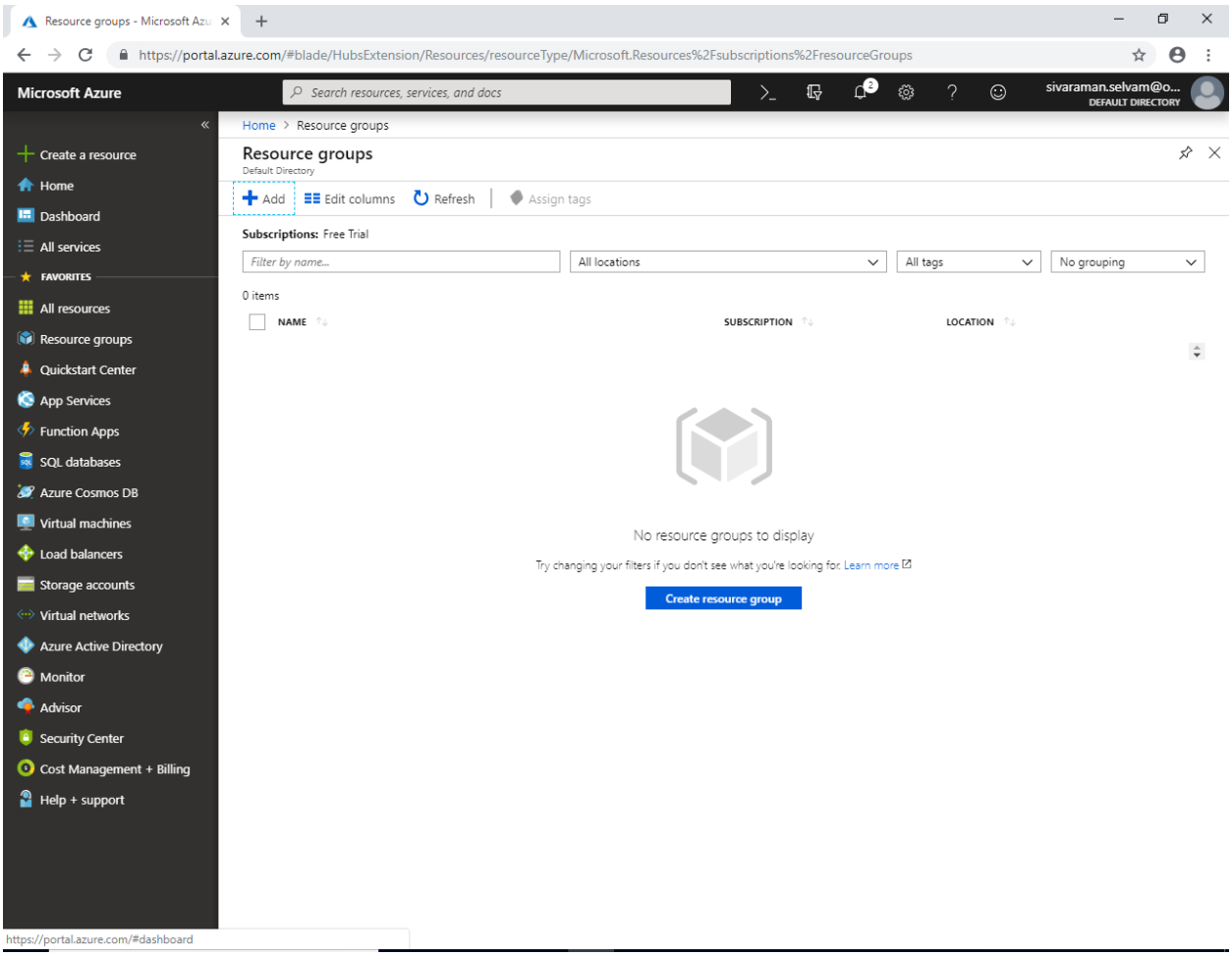
“Subscription” should be as “Free Trial”.

“Resource group Location” should be as your choice / business requirement. As of now I will leave this as default.

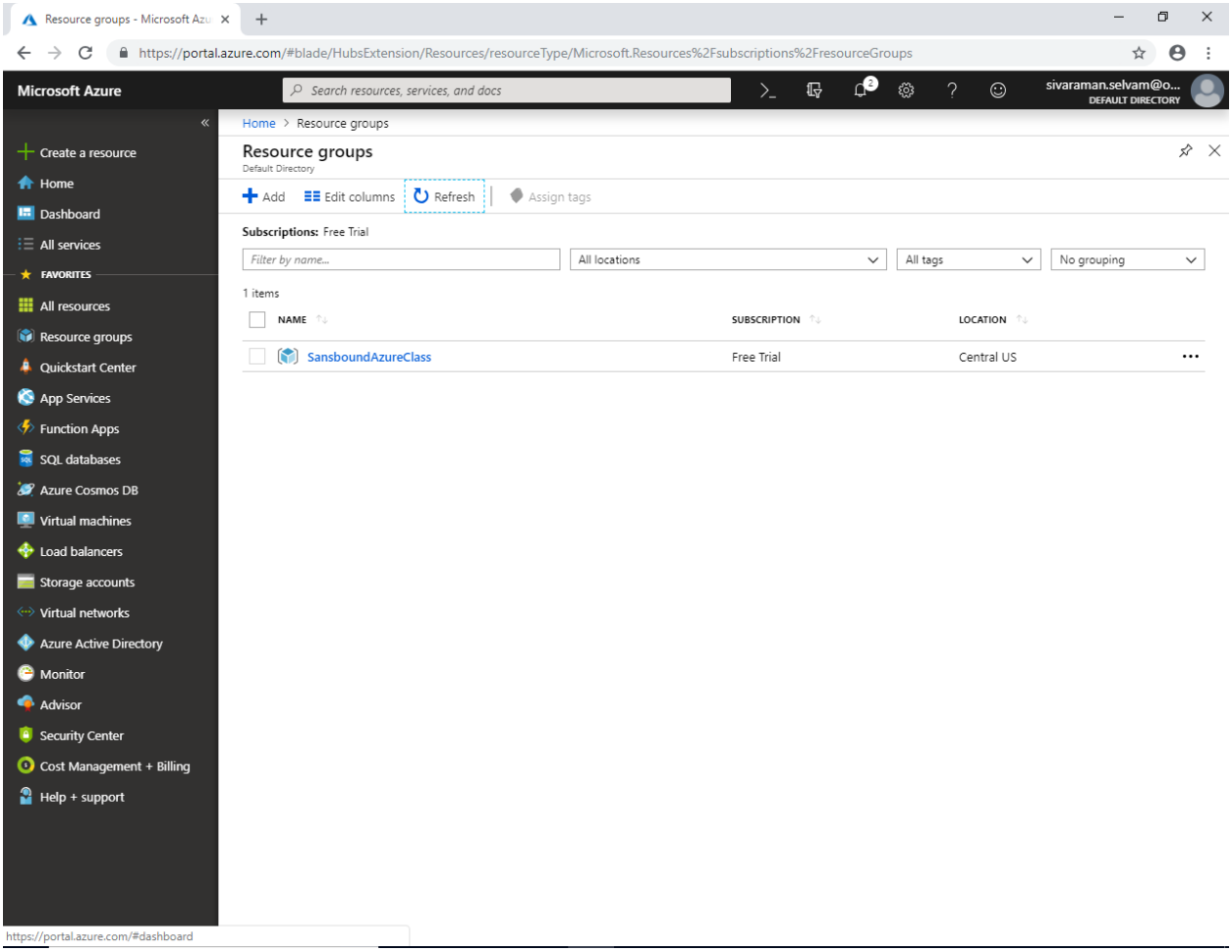


Then click “Create” to create the “Resource Group”.

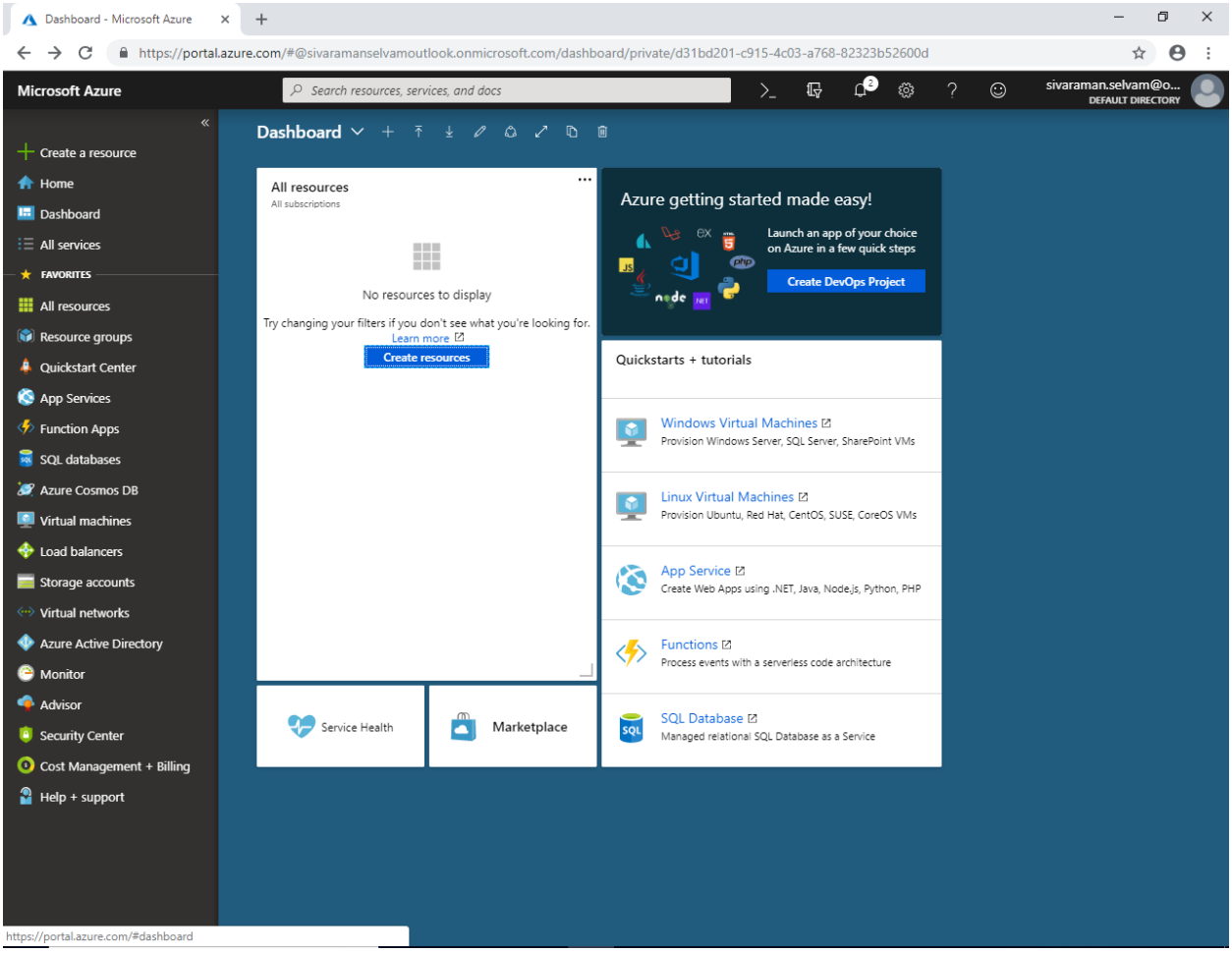
Click “Refresh” to get the Resource group which we have created.



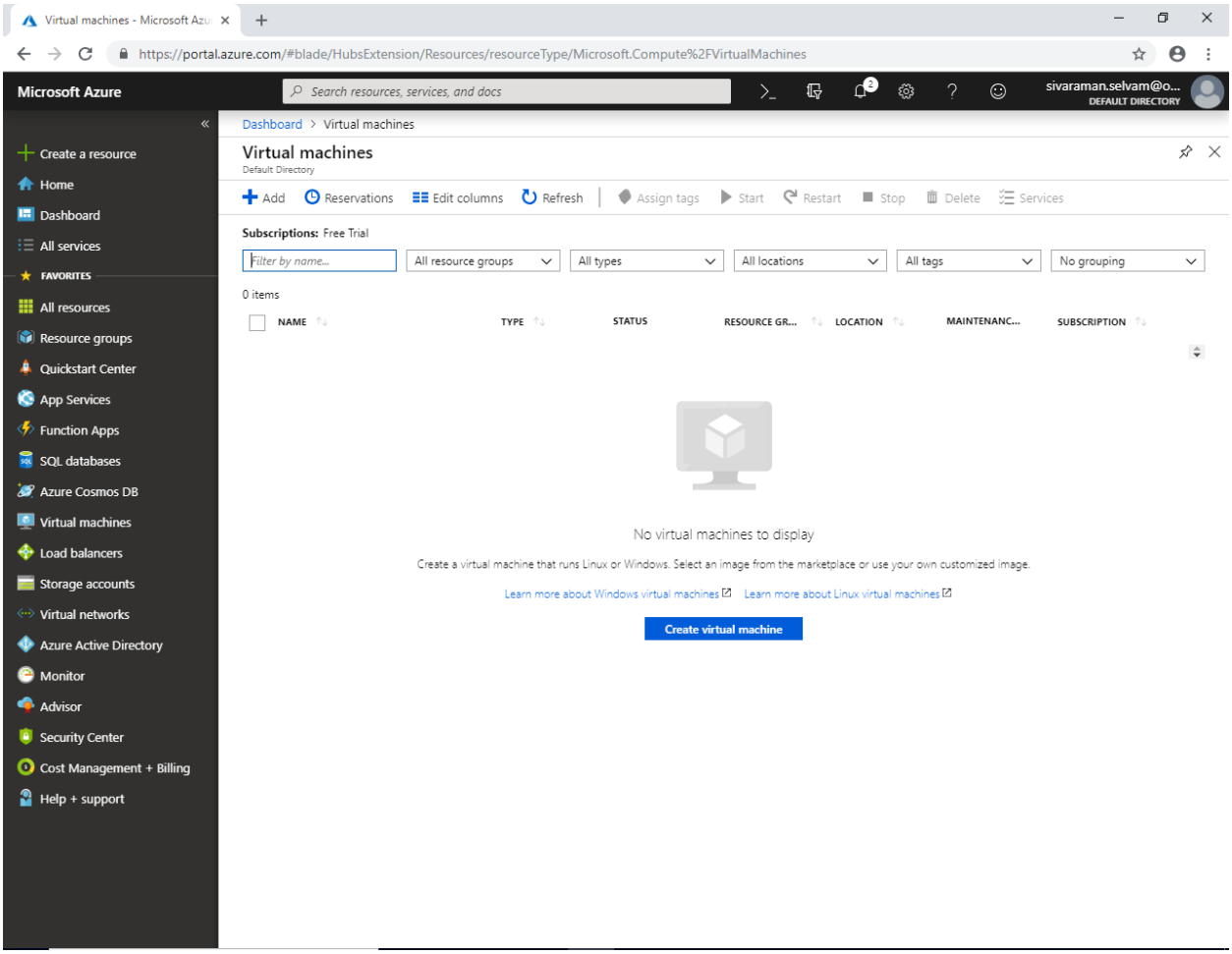
Now you are able to see the "Resource Group" which you have created as "SansboundAzureClass".



In Dashboard, click “Virtual machines” in Left side under Favourites.

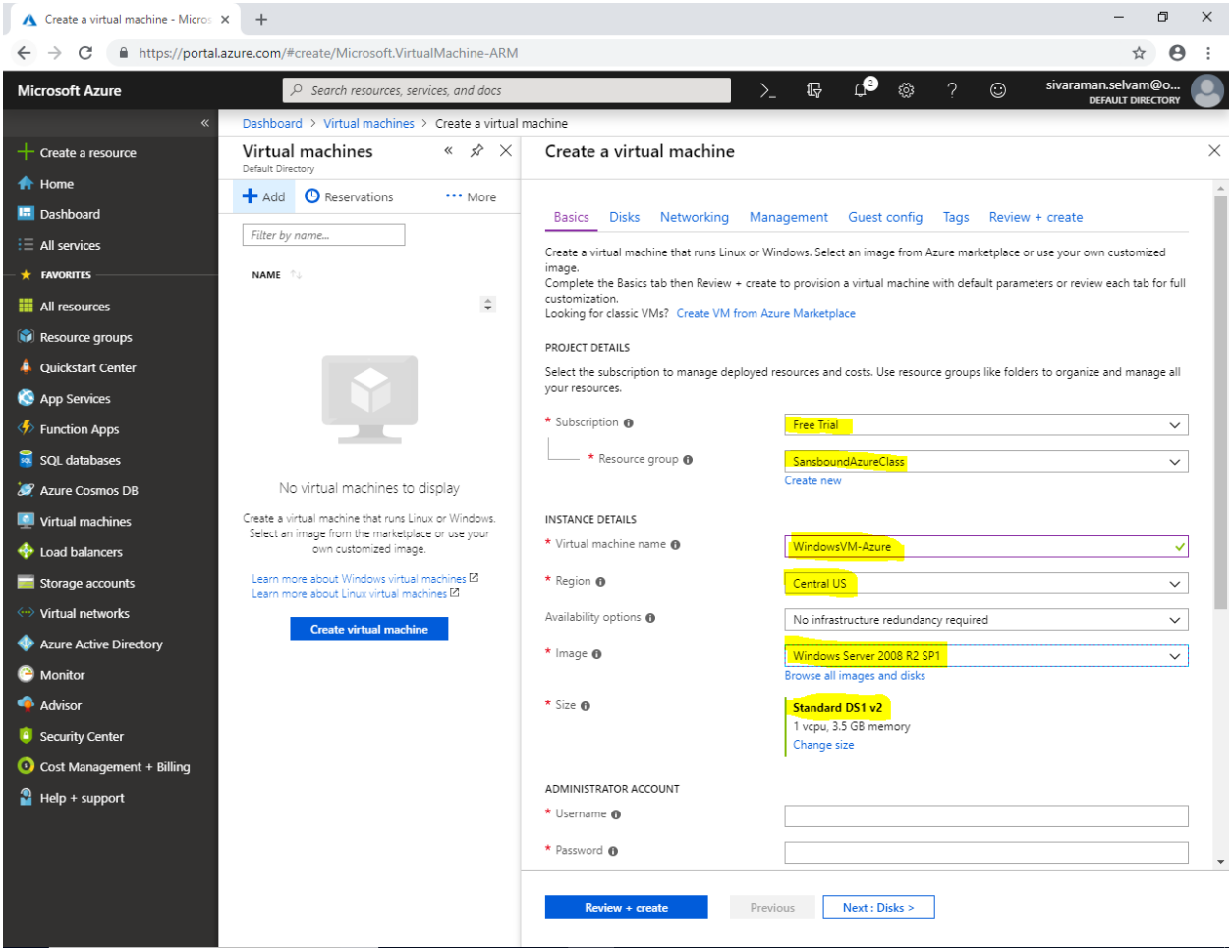


In “Virtual machines” Click “Add” to create new virtual machine.

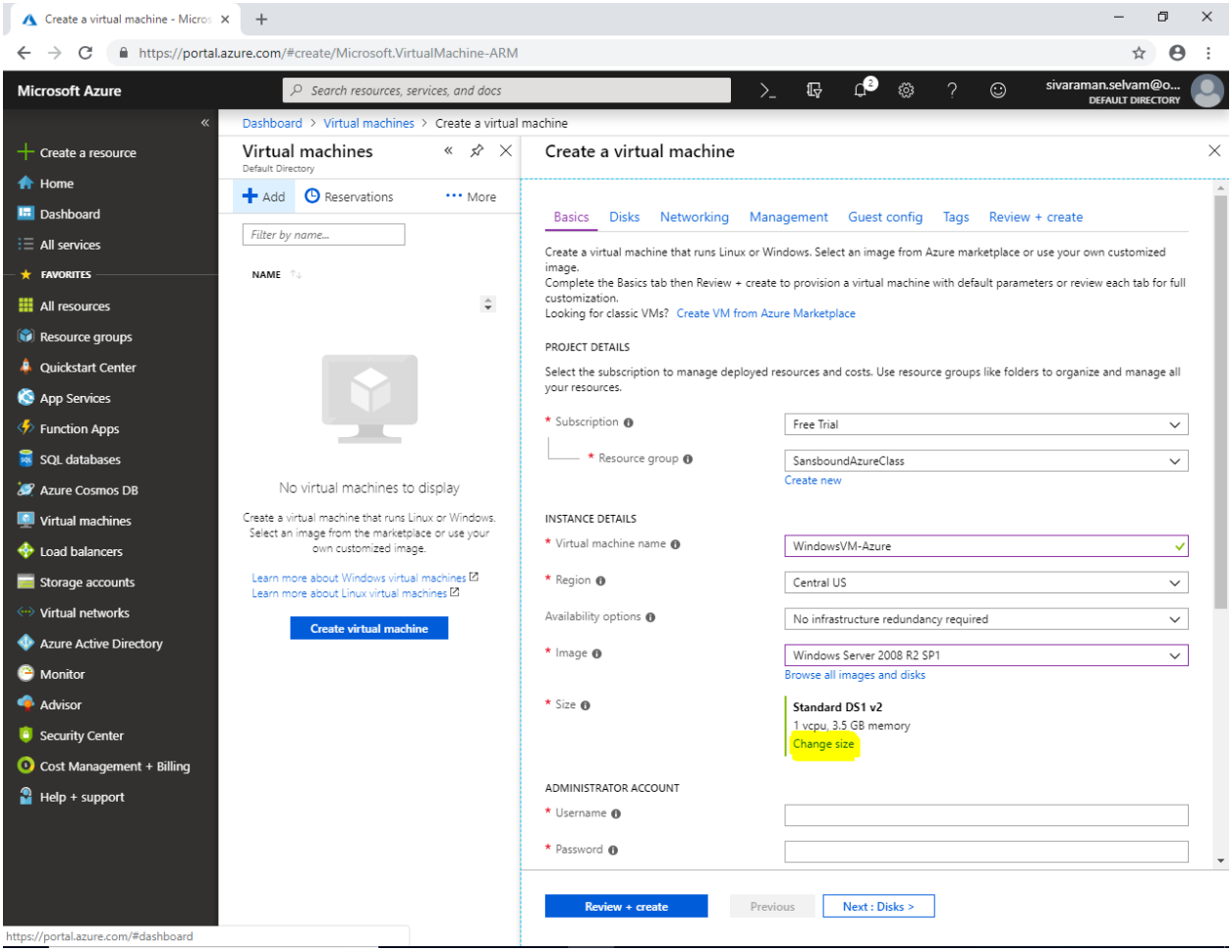


While creating Virtual Machine we have required to provide below mentioned details

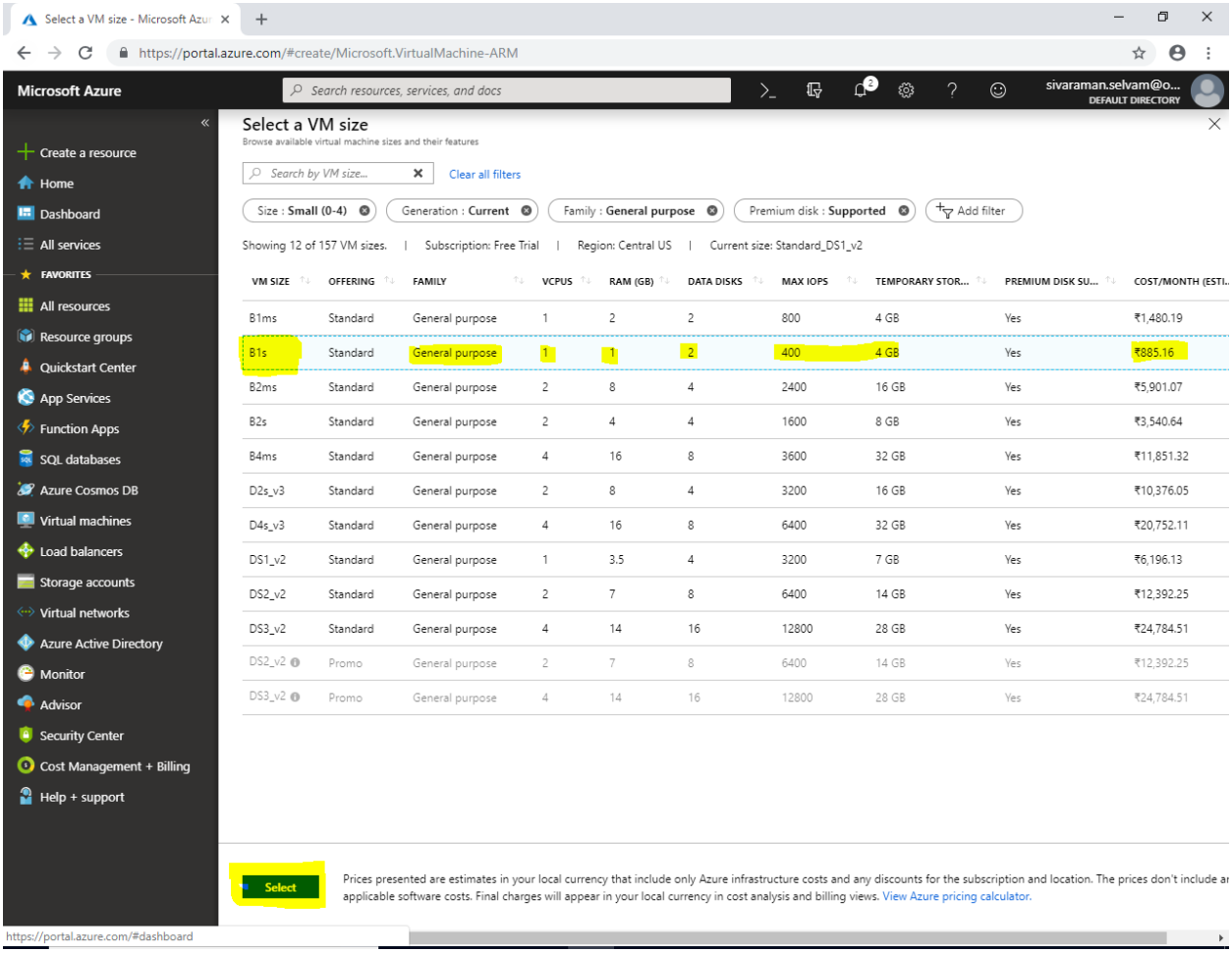
a) **Select the "Subscription" as "Free Trial".**
b) **Select the "Resource Group" as "SansboundAzureClass".**
c) **Specify the Virtual machine name as "WindowsVM-Azure".**
d) **Specify the region as your business requirement, i will leave default region at this stage.**
e) **Select the Image as "Windows Server 2008 R2 SP1".**
f) **By default Virtual machine size will be selected as Standard DS1 V2 (with 1 vCPU & 3.5 GB RAM). But we need to select Free Trial Virtual machine Type B1S.**



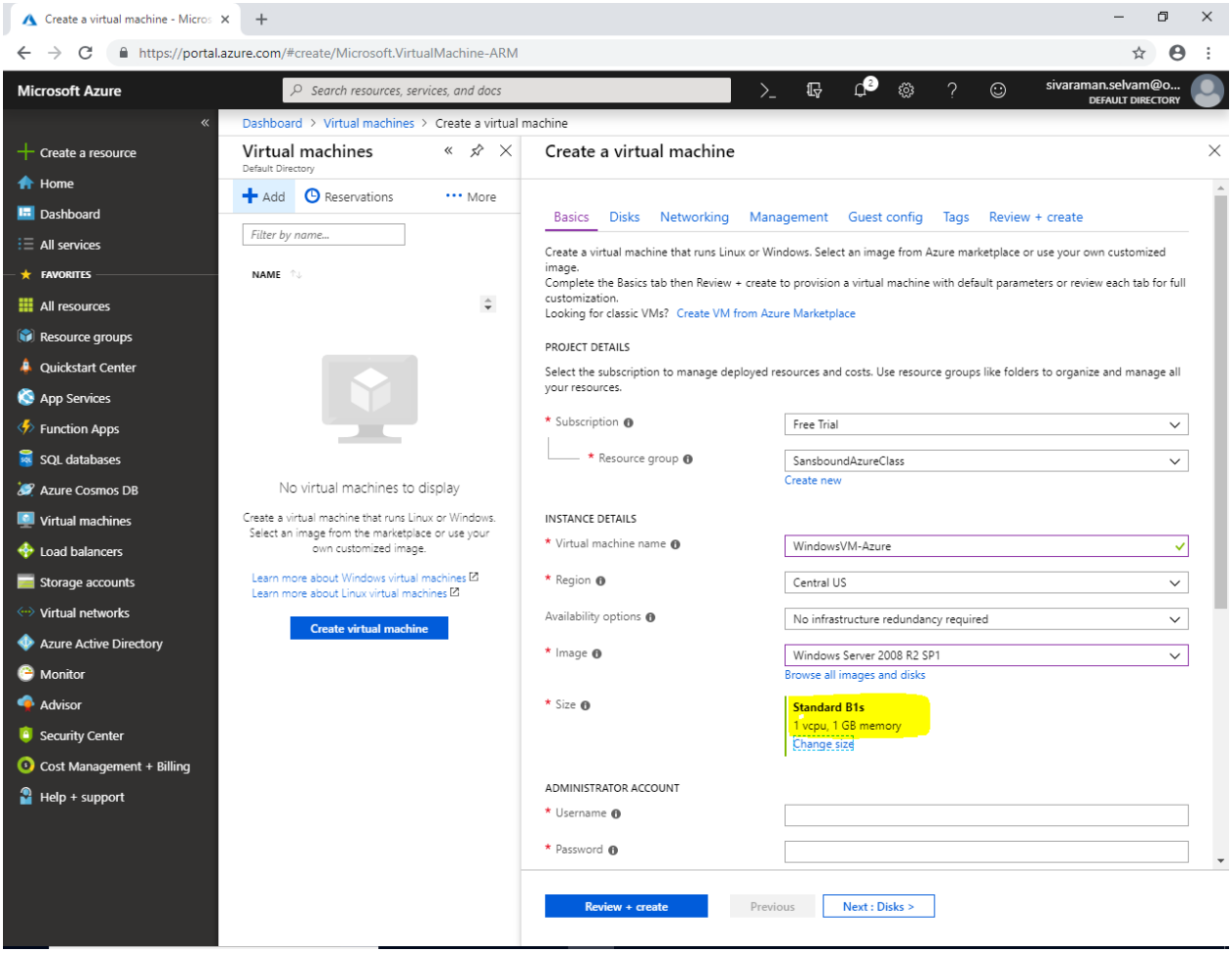
In Size, click "Change Size"



Select the Virtual size as Standard "B1s" then click "Select" button in bottom.

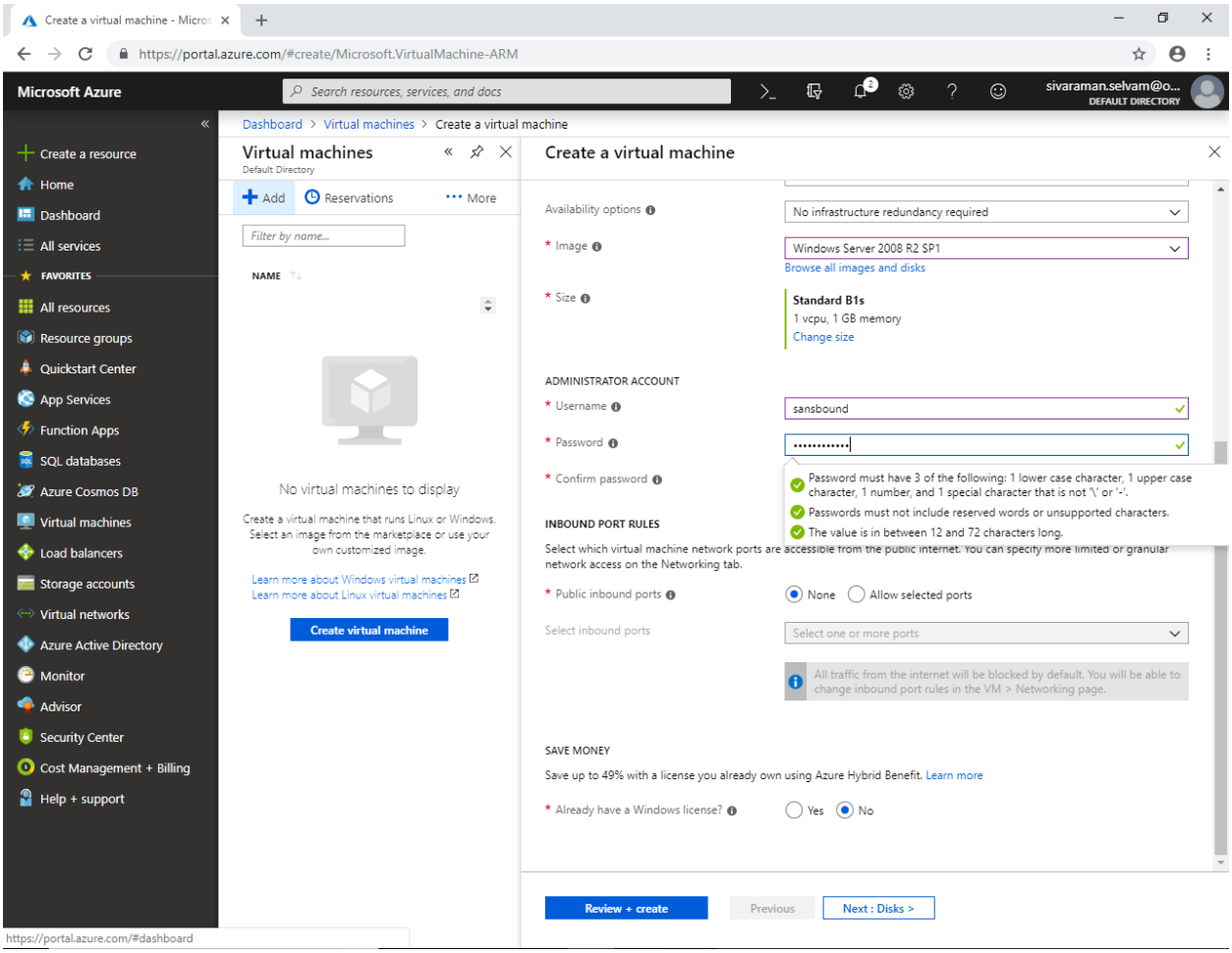


You need to ensure that VM Size is “Standard B1s”.

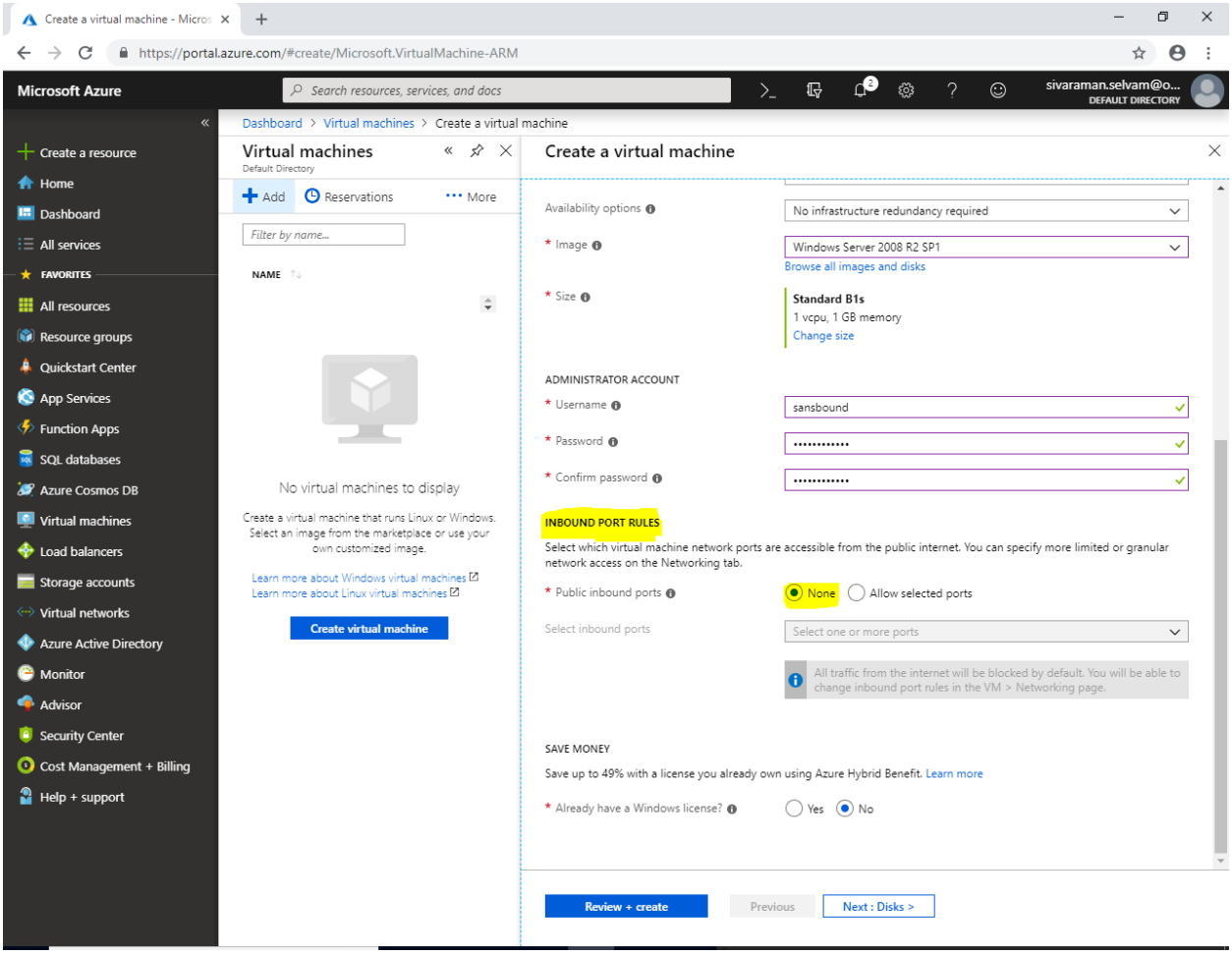


In "Administrator Account", I will type type username which has required built-in administrator privilege. I have type as "sansbound". You can specify the user name as per your wish.

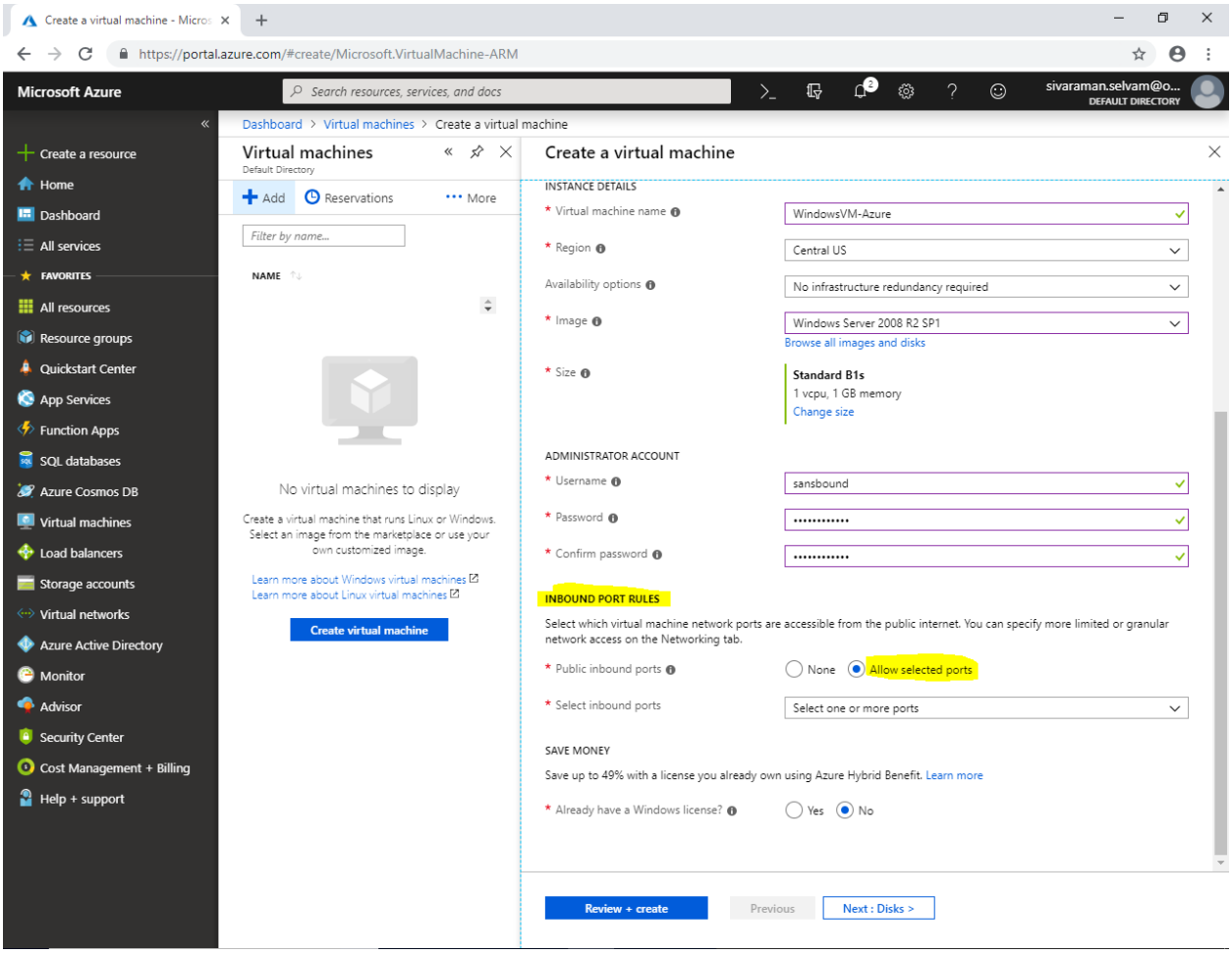
In password, password must have 1 upper case character , 1 lower case character and and 1 number and 1 special character. Also password length should be minimum 12 characters maximum 72 characters.



In "Inbound Port Rules", by default it has been set as "None".

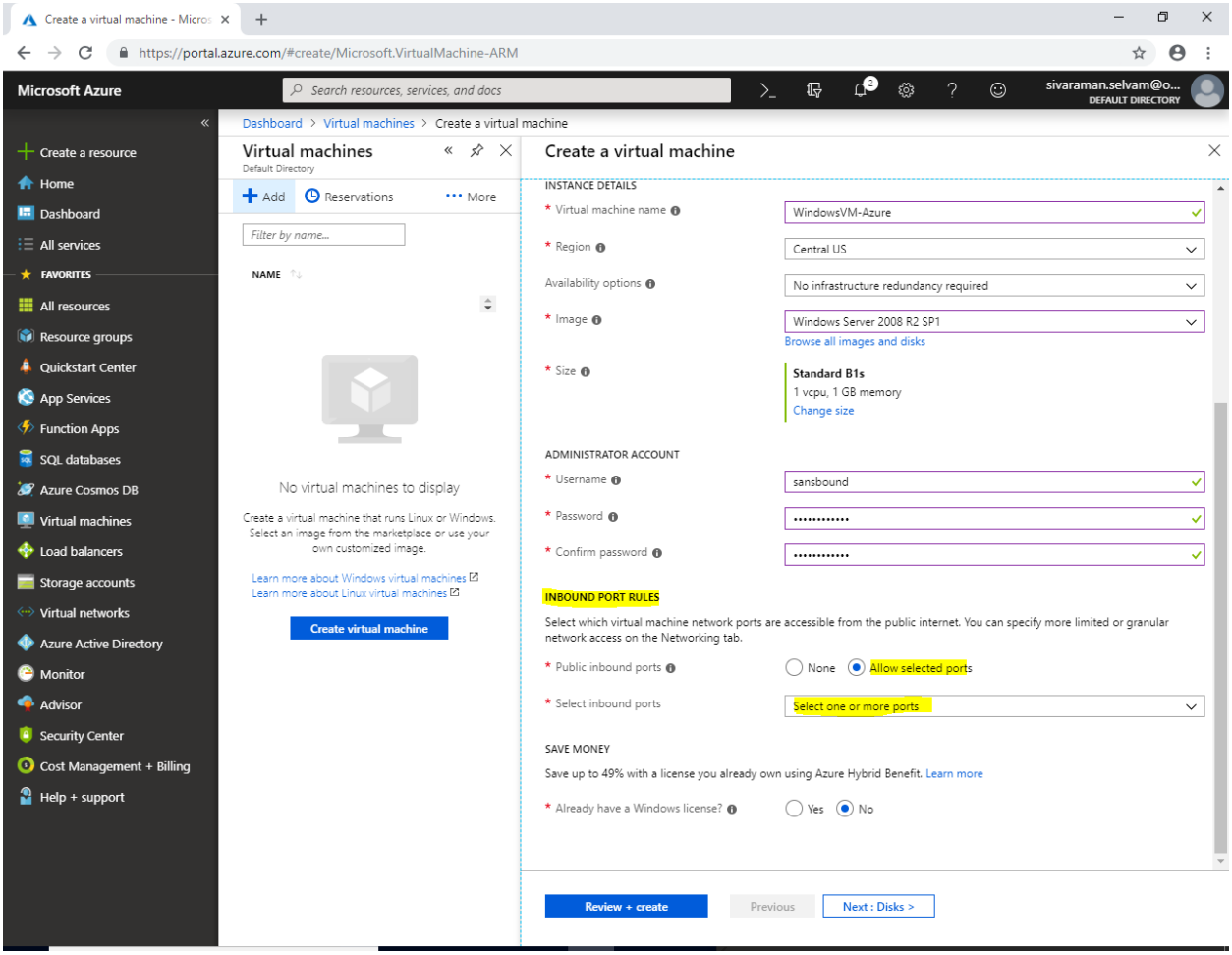


But we have required to allow specific ports by click "Allow Selected Ports" manually.



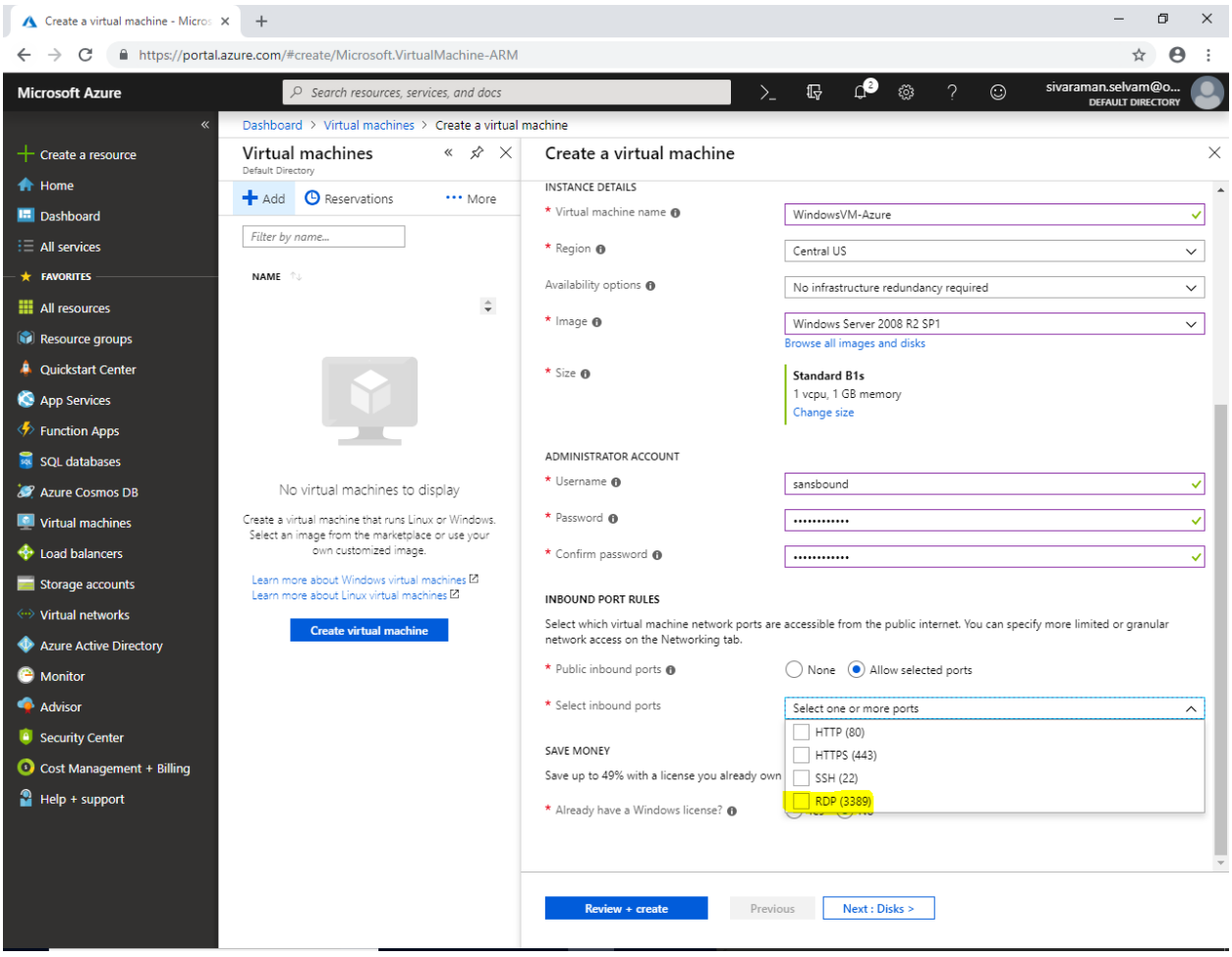
In "Inbound Port Rules", click "Allow Selected Ports".

Then click "Select one or more ports" drop down box.

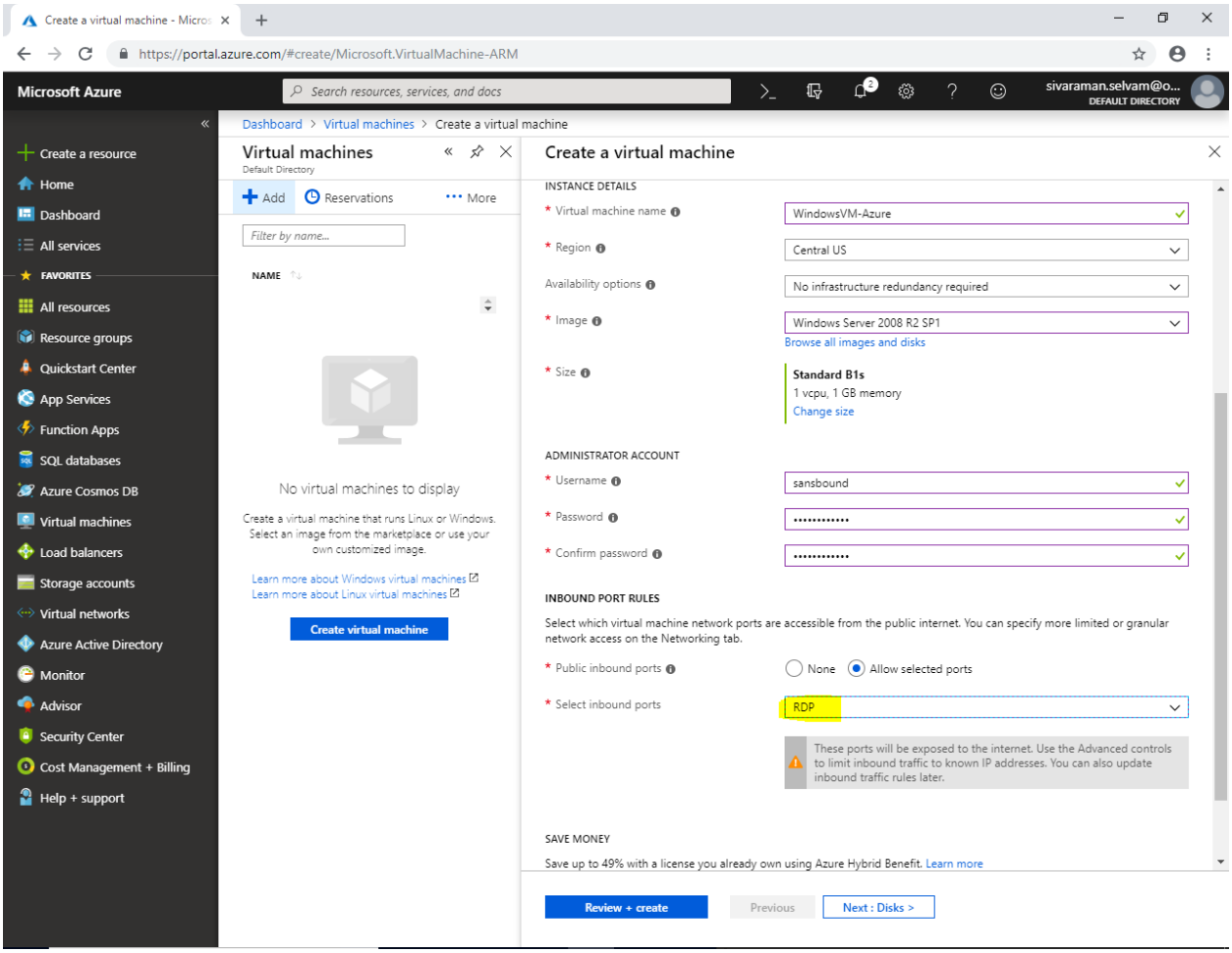


As of now, I have created Windows Virtual machine for that I have required Port 3389 (RDP) to Allow for access the server remotely.

You need to check the "RDP (3389)" in Inbound Rule.



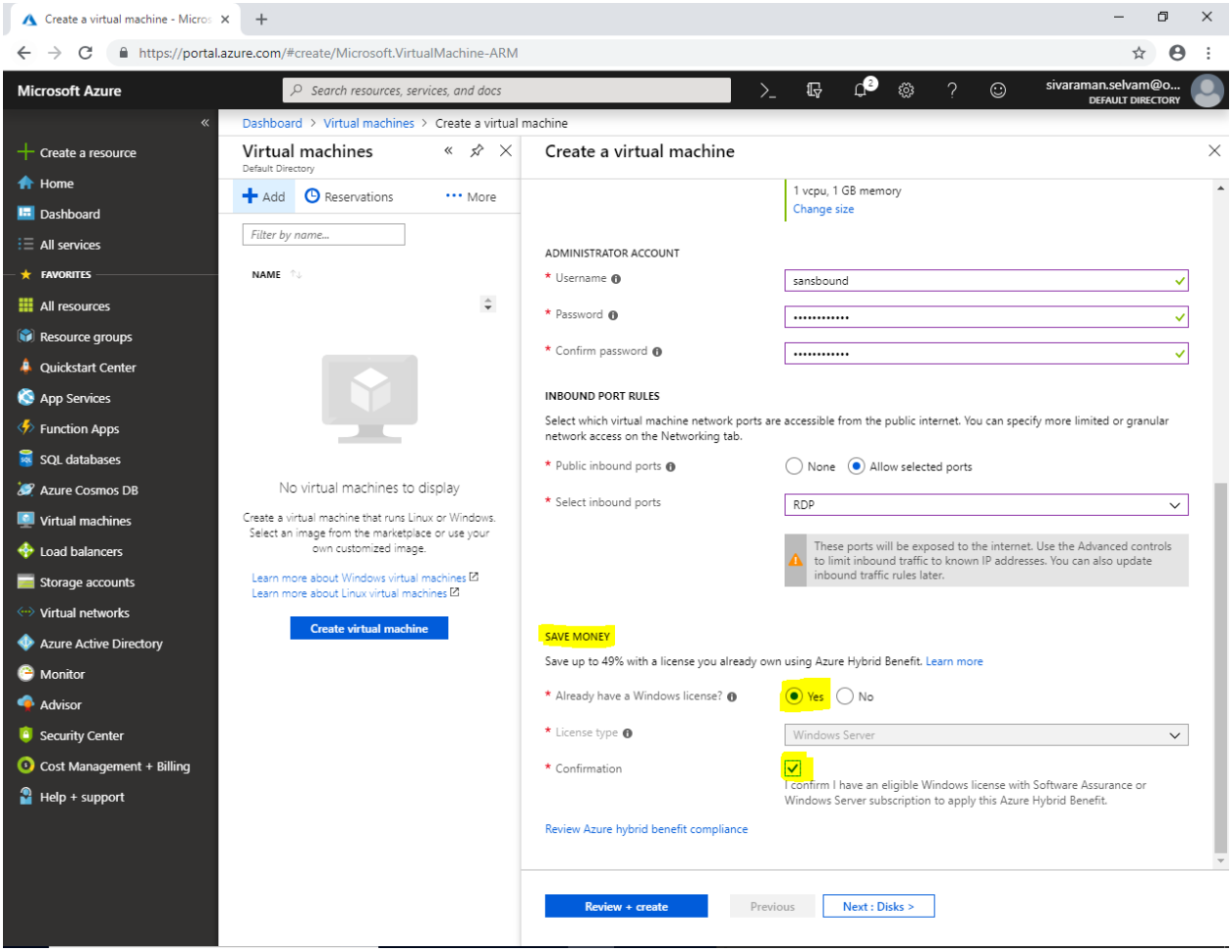
As of now, we have allowed only RDP (3389) port to access the Windows Server through remotely.



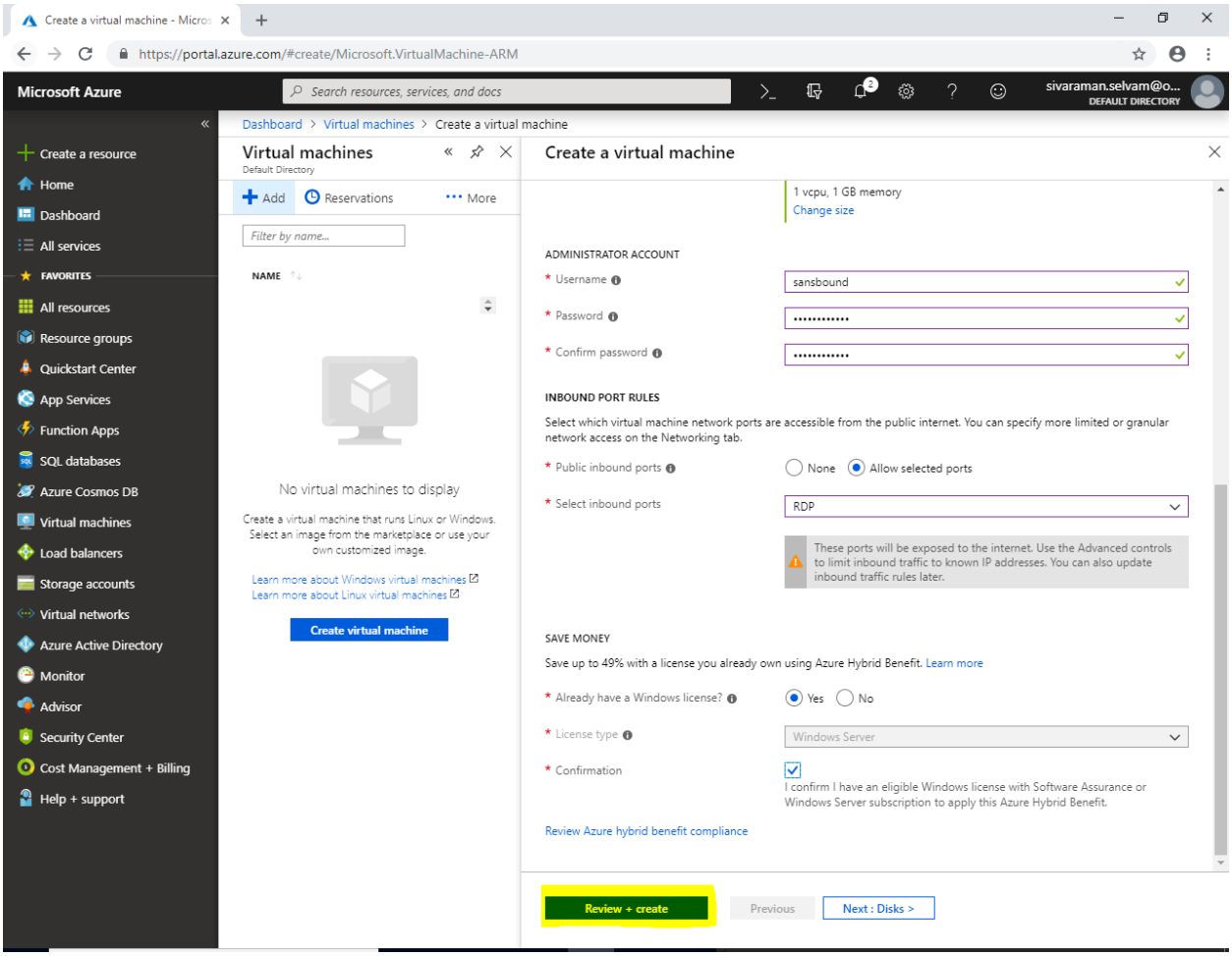
In Save Money,

Click "Yes" that you have already have Windows license.

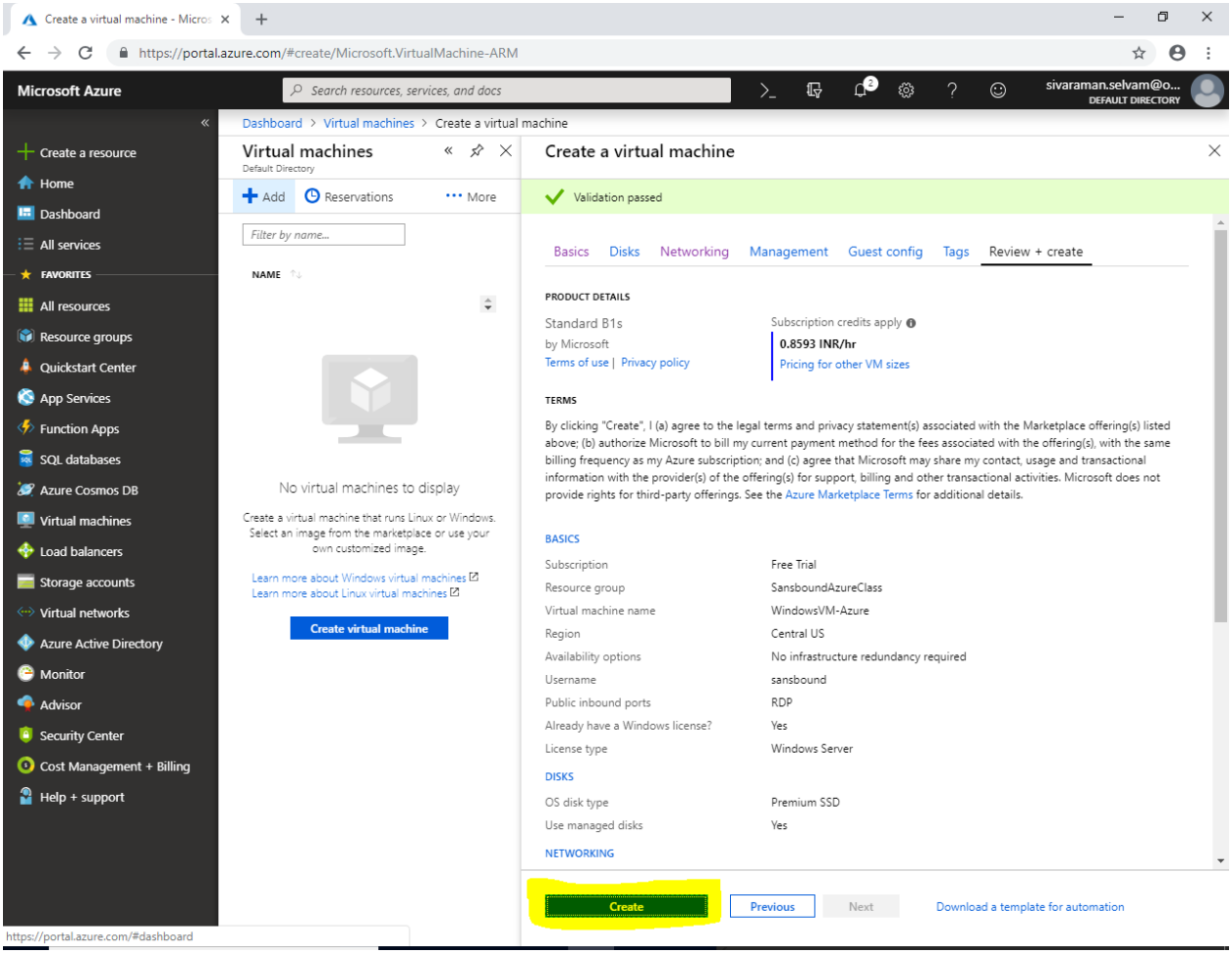
Also in "Confirmation" click the Check box.



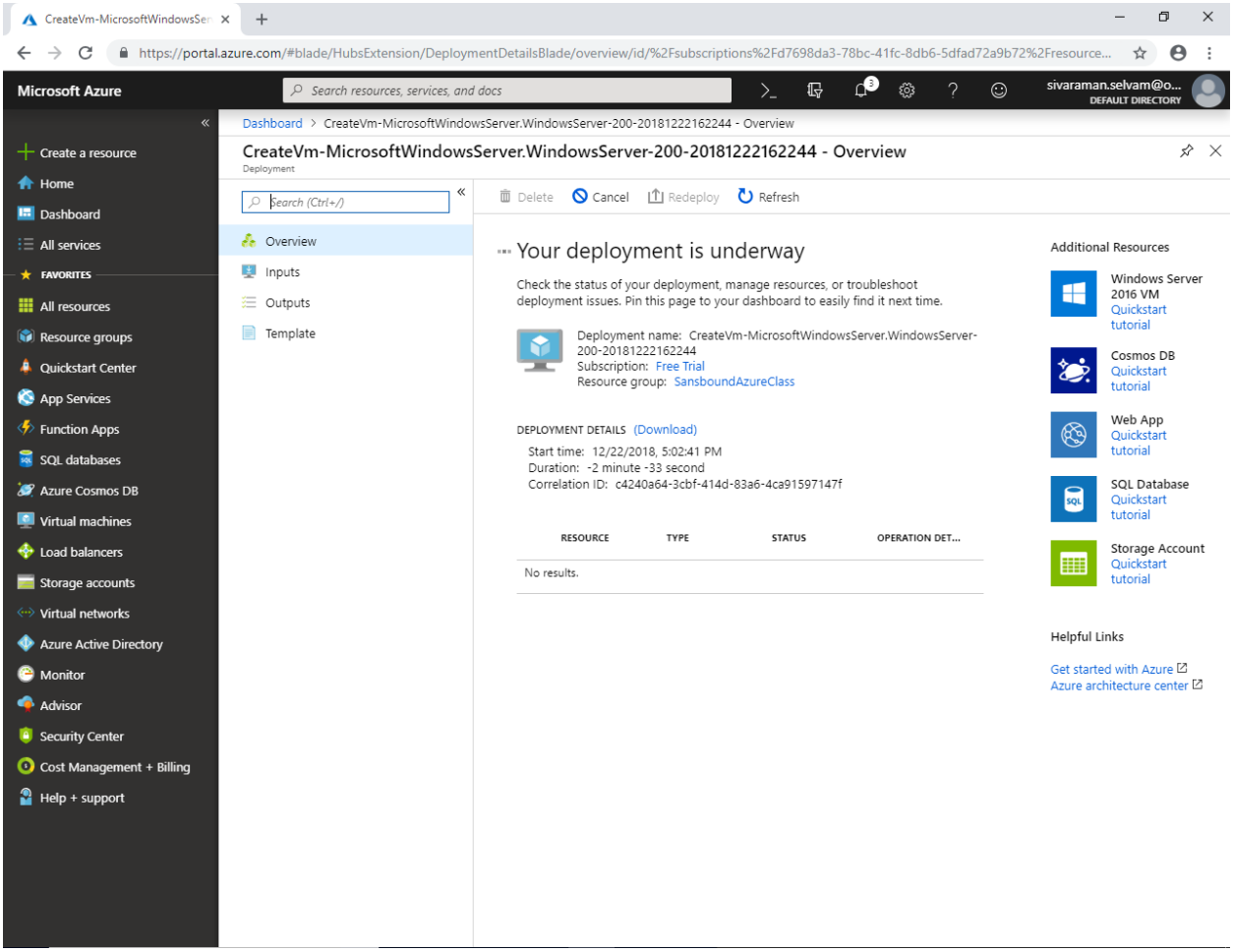
At this stage, I will click “Review + Create”.



Click “Create” to create Virtual machine.

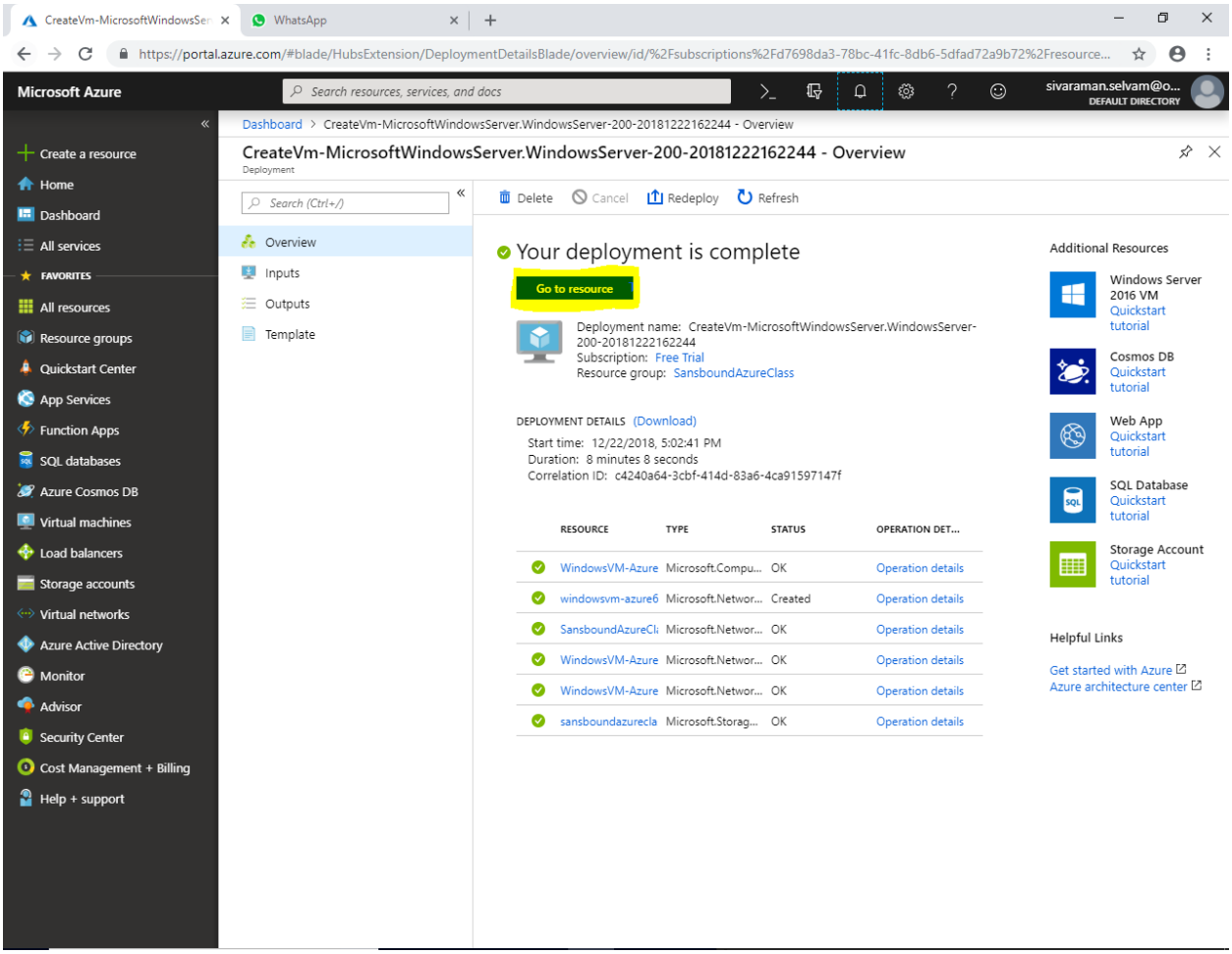


Virtual machine creation in progress, we need to wait for some time. Please wait for 4-5 minutes approximately.



Now your deployment has been completed.

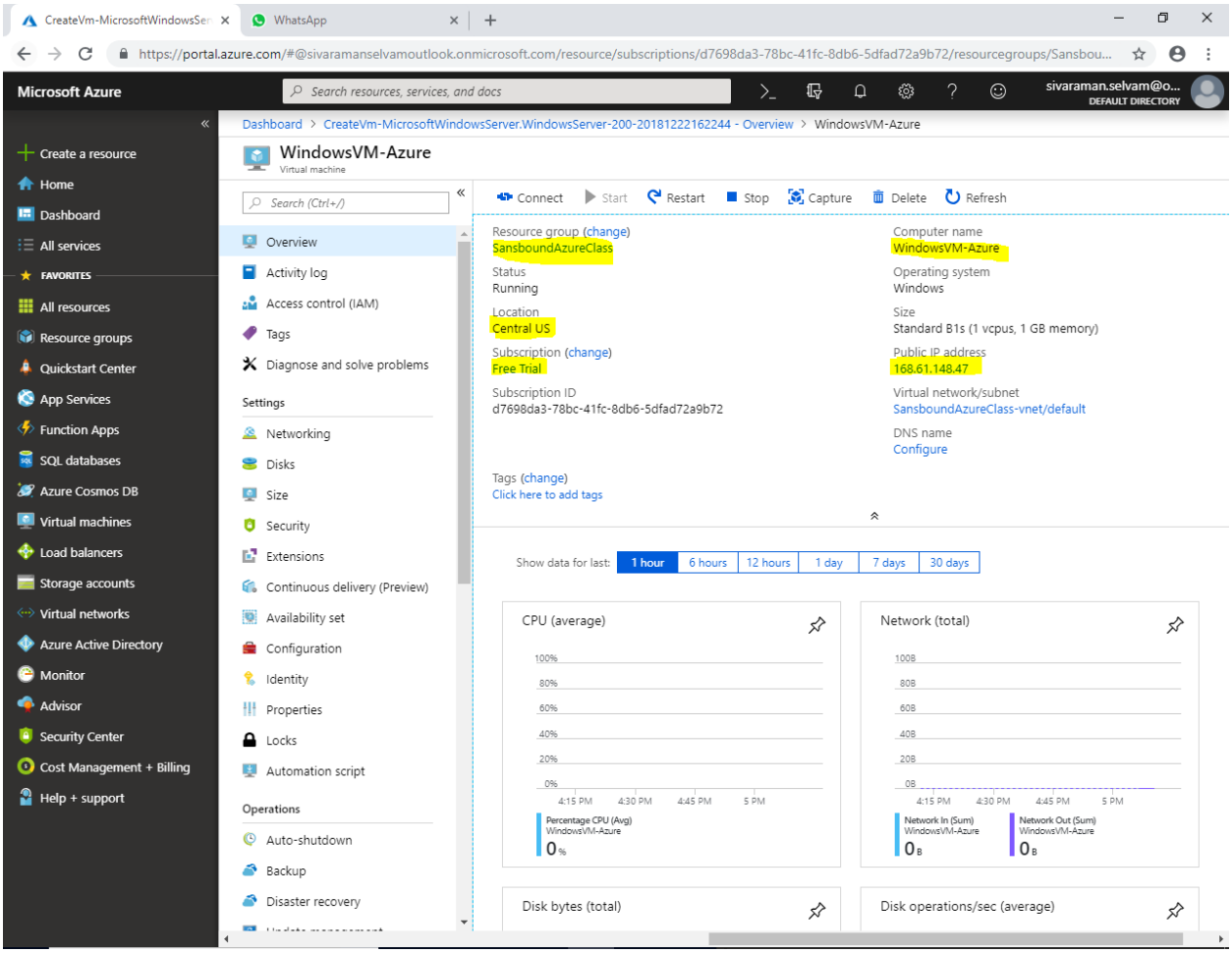
Click "Go to resource".



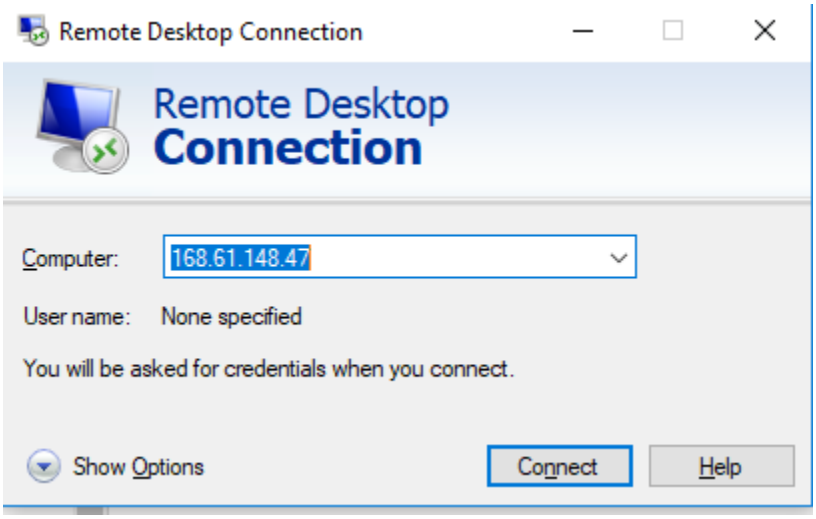
Now we are in VM settings which has been created by us in the name of "WindowsVM-Azure".

We have got below mentioned information in the Virtual machine.

a) **Resource group details under which "Resource Group" has been created the VM.**
b) **Computer Name, Location and Virtual Machine Size.**
c) **Subscription type.**
d) **We have got Public IP for the Virtual machine (Our IP is 168.61.148.47).**



From local machine / Physical machine, type “mstsc” in Run box to get console to access the server remotely.

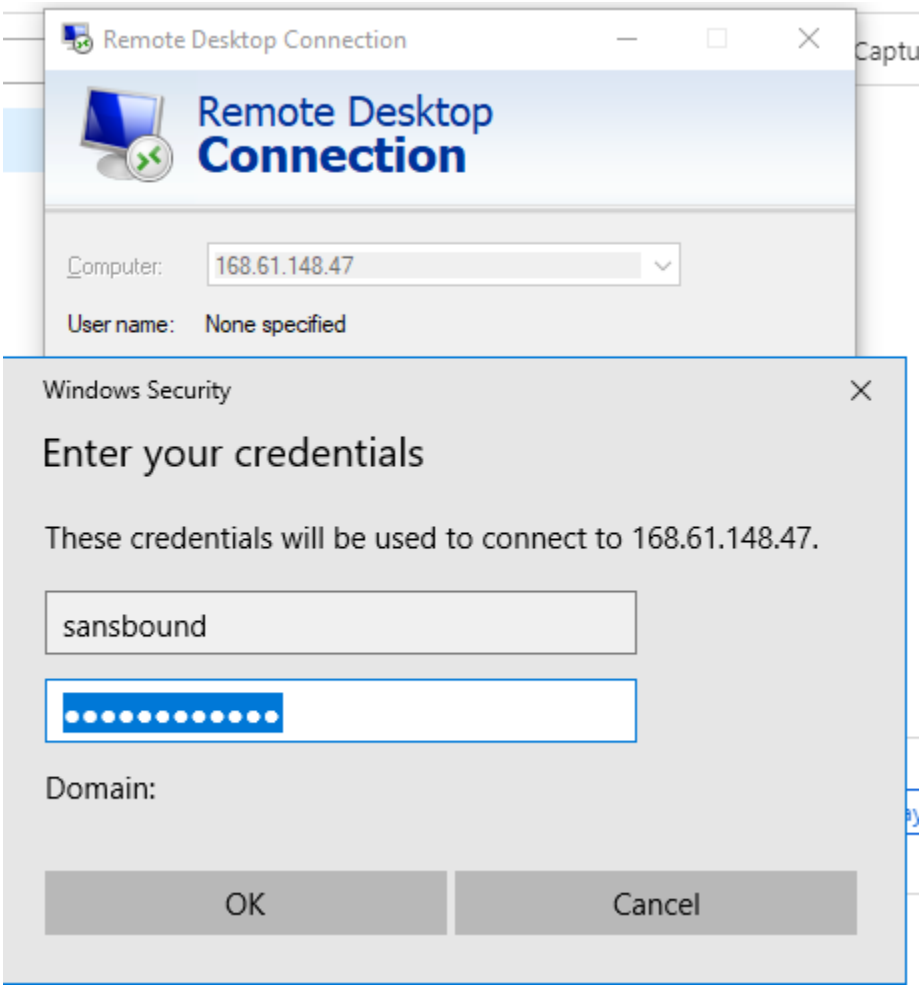


Click “Connect”.

While click “Connect” it required login credentials to access the server.

Type username as “sansbound”

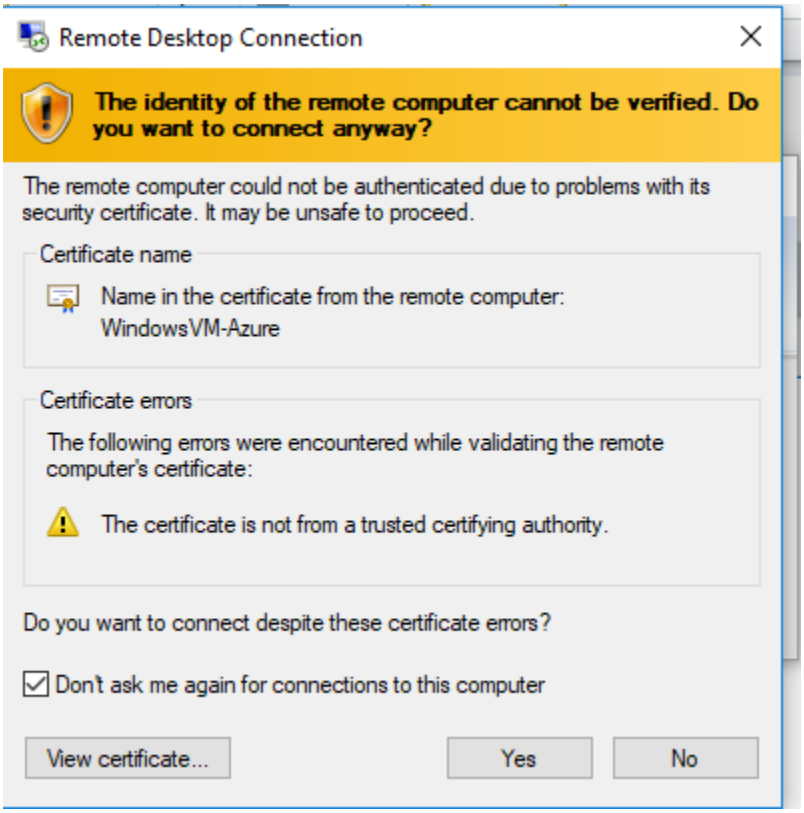
Type Password (Which you have provided in Azure Portal)



Then Click “OK”.

And Check “Don’t ask me again for connections to this computer”.

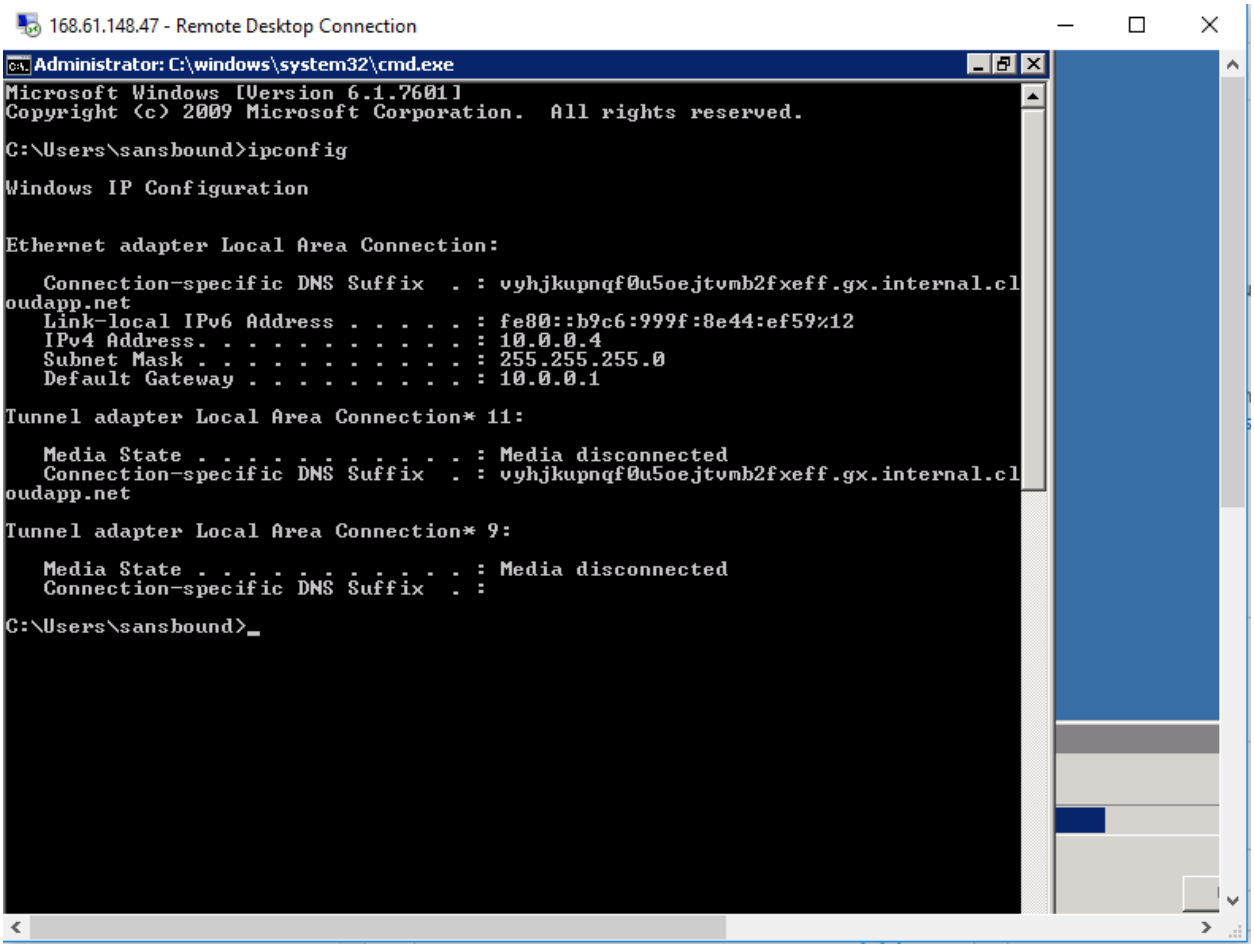
Click “Yes”



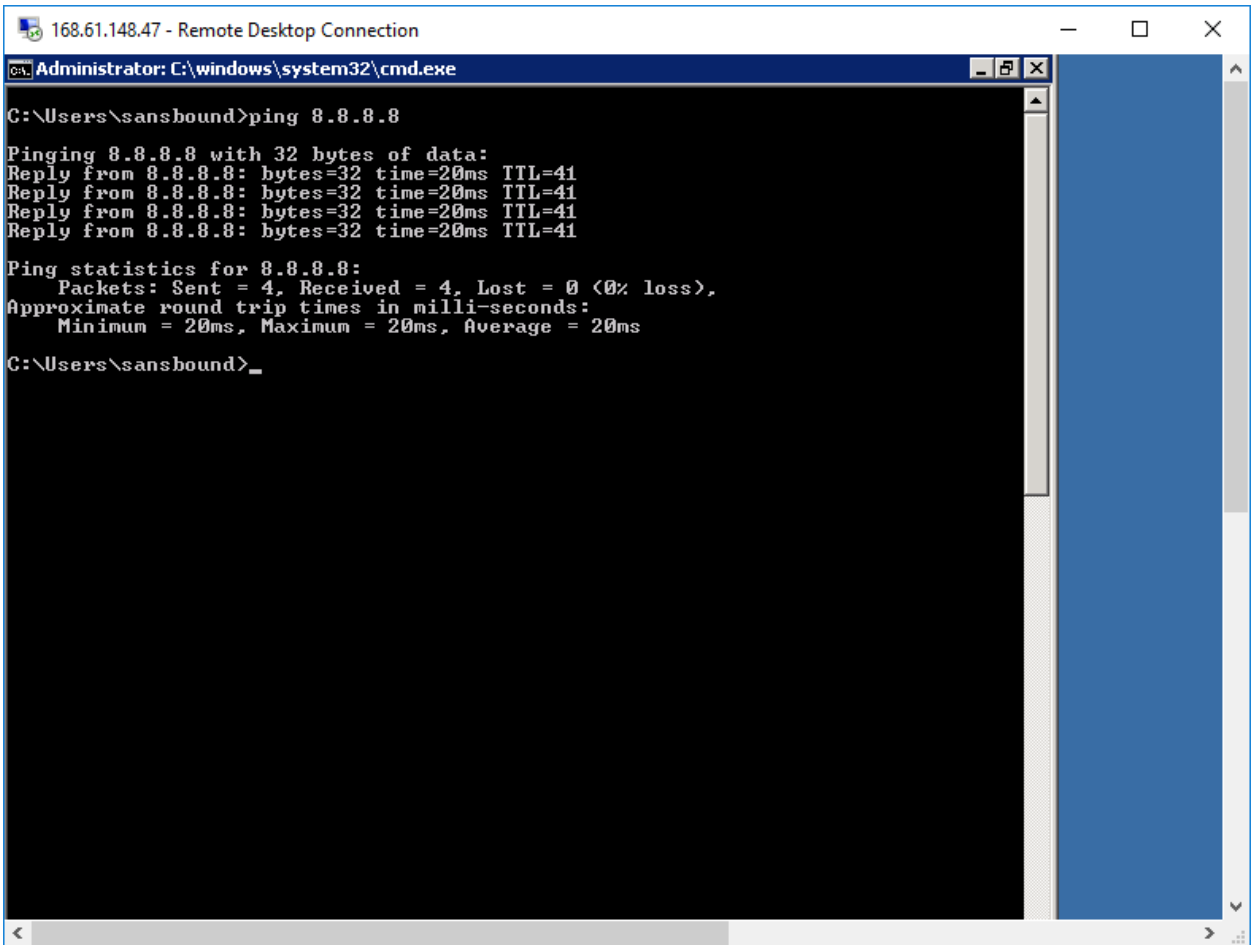
I have successfully logged on to the "Windows 2008 R2" Virtual machine in Azure.

I have got the IP address details from command prompt by type "ipconfig".

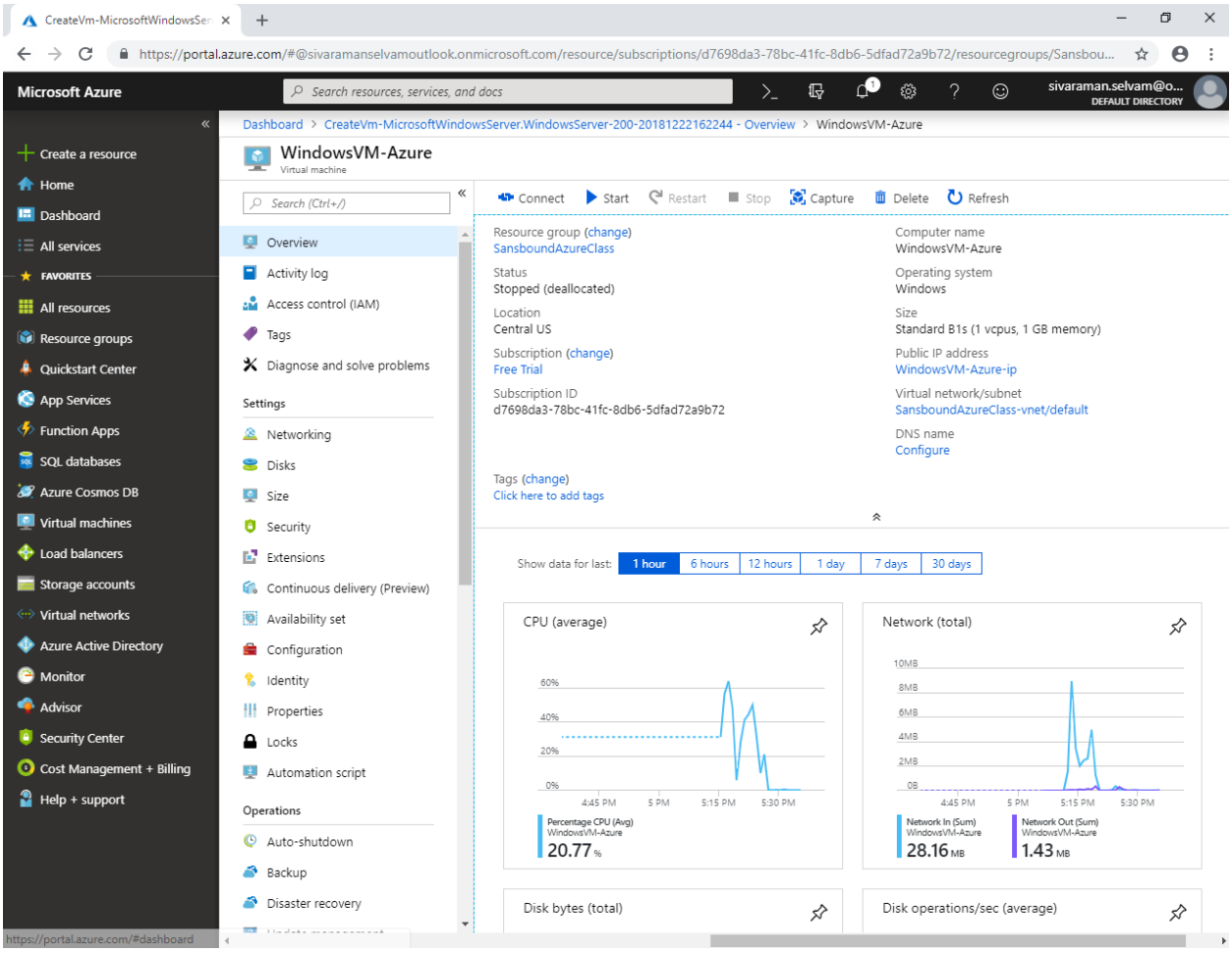
I have got the IP as 10.0.0.4.



By default internet access has been provided.

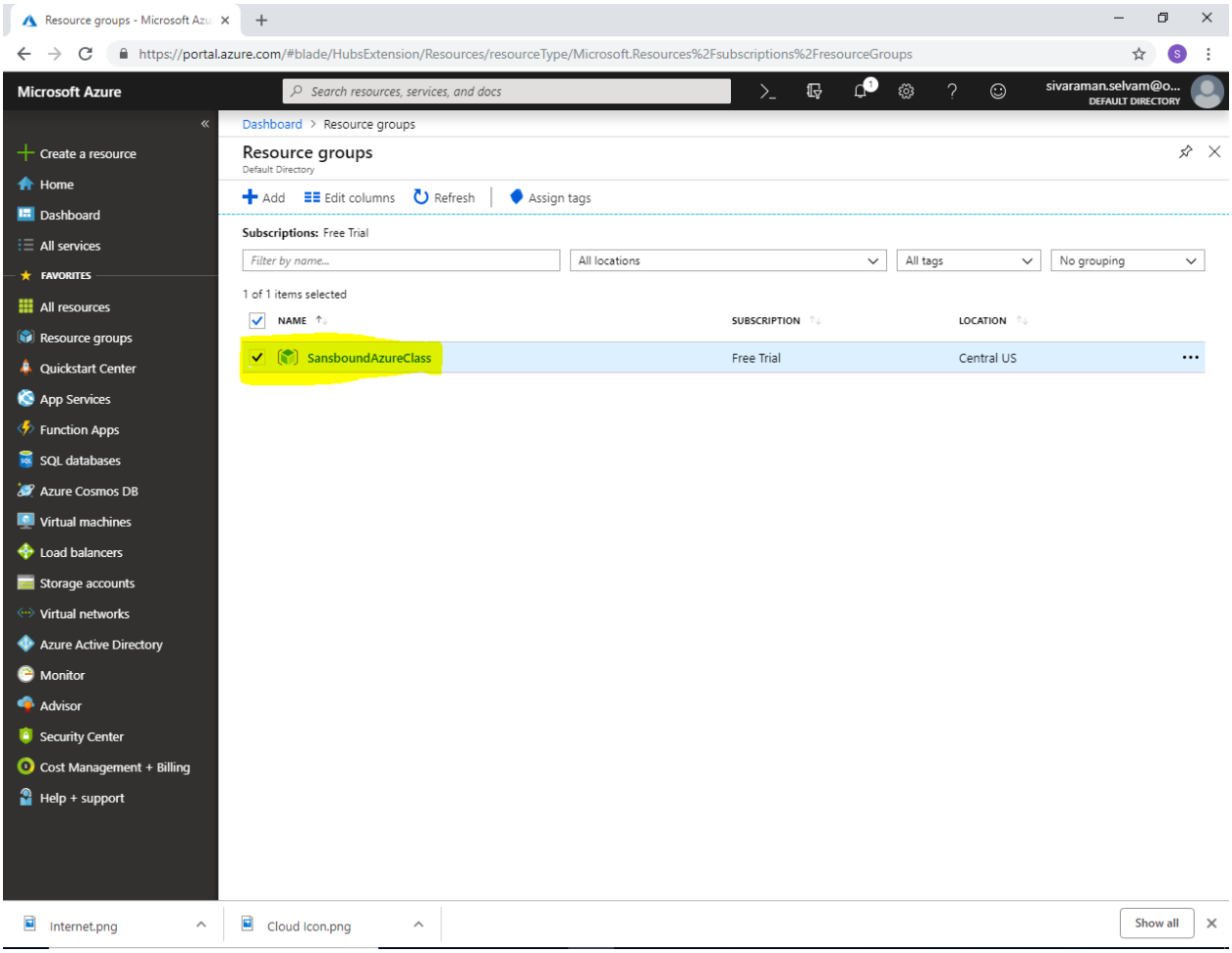


Once you have shutdown the machine "Stop" button becomes inactive. It seems the VM has been Shutdown successfully.



In Dasboard, click "Resource Groups"

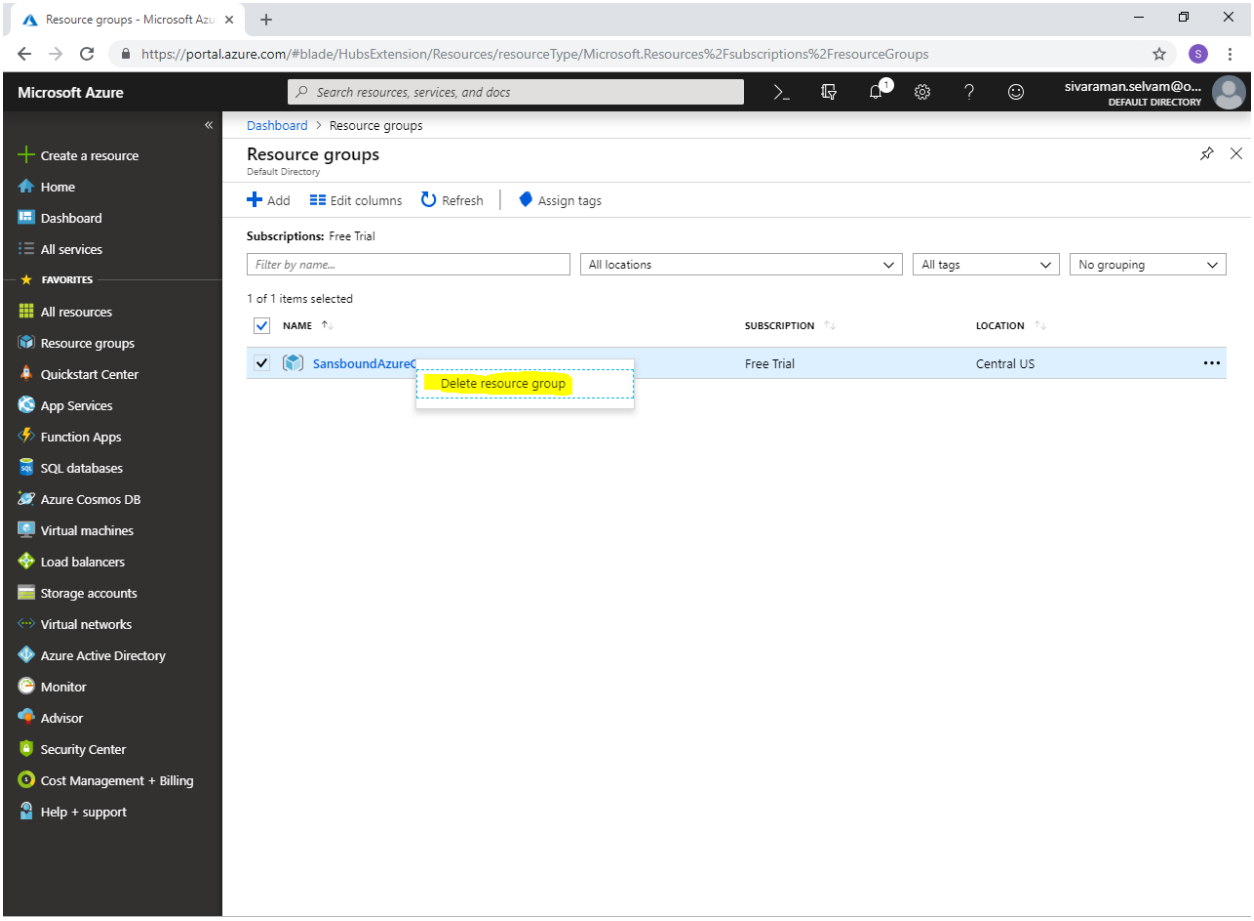
Select Resource groups "SansboundAzureClass" which you have required to delete.



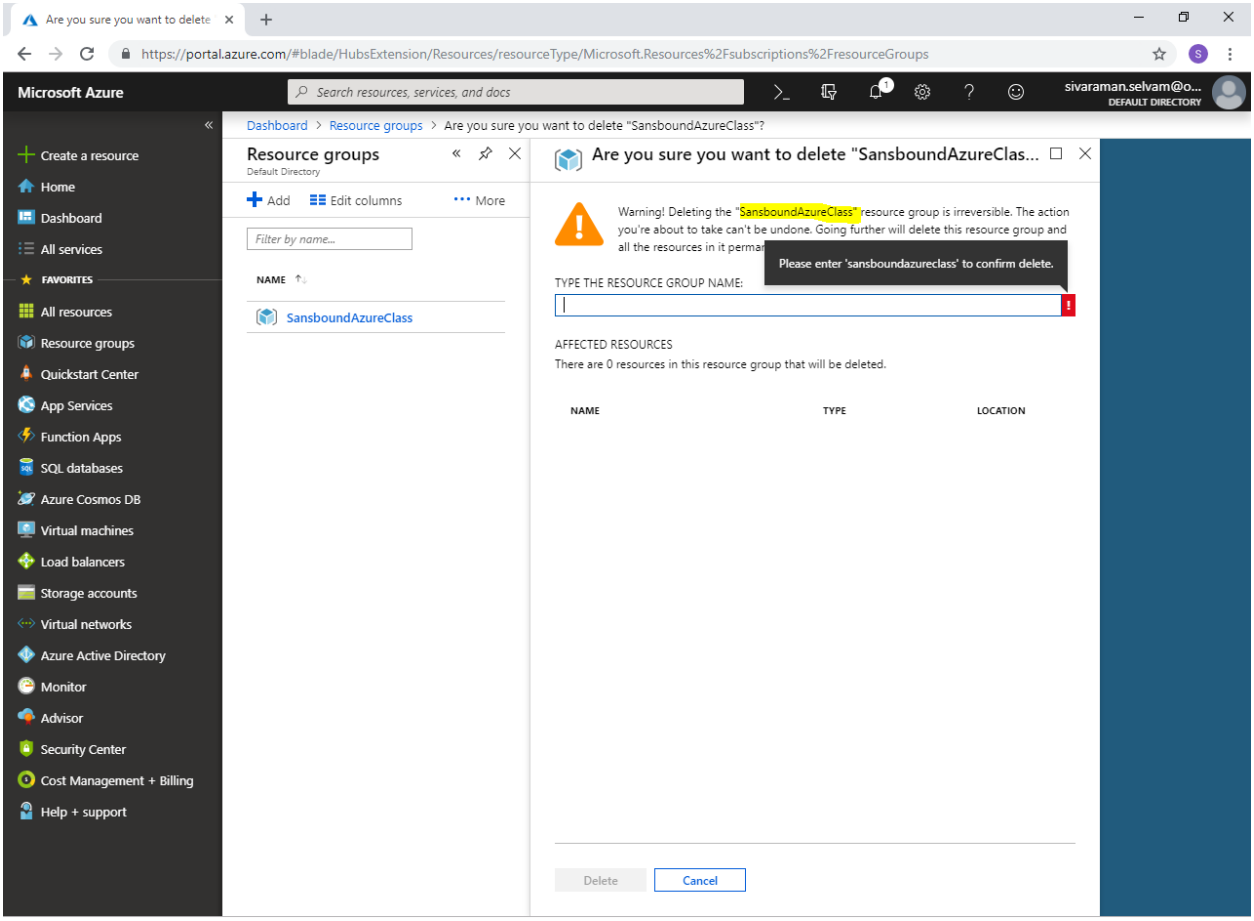
Note: It's not recommended to delete the Resource group it will delete the entire features which has been created under the resource groups.

But, we are in Free Trial subscription / Learning purpose. So we have delete the resource group to delete all features which has been created by us instead of manual deletion of the features.

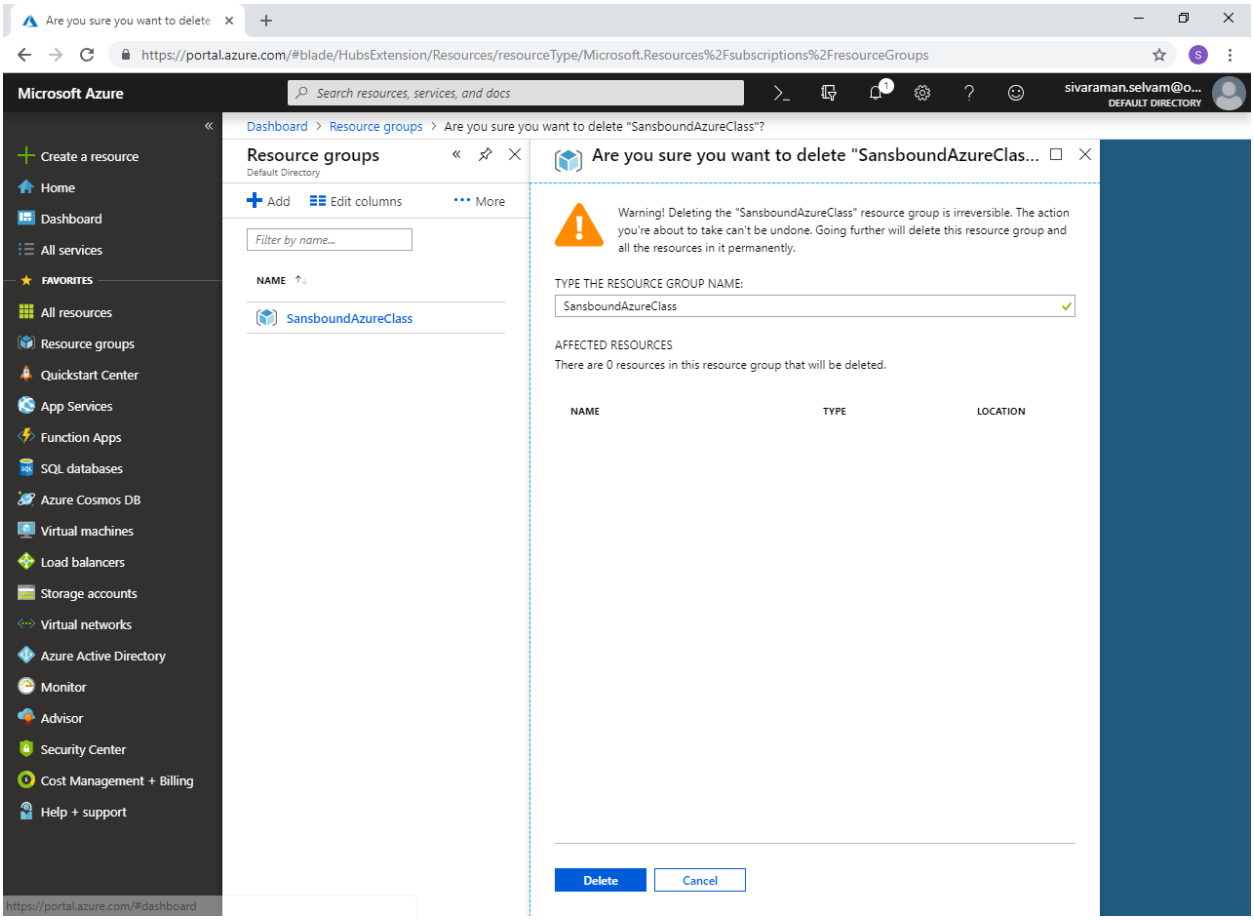
Select Resource Group named "SansboundAzureClass" and right click it, then click "Delete resource group".



Type Resource group name as “SansboundAzureClass”



Click “Delete” to delete the Resource group.



Click “Refresh”.

Now the “Resource Group” has been deleted.