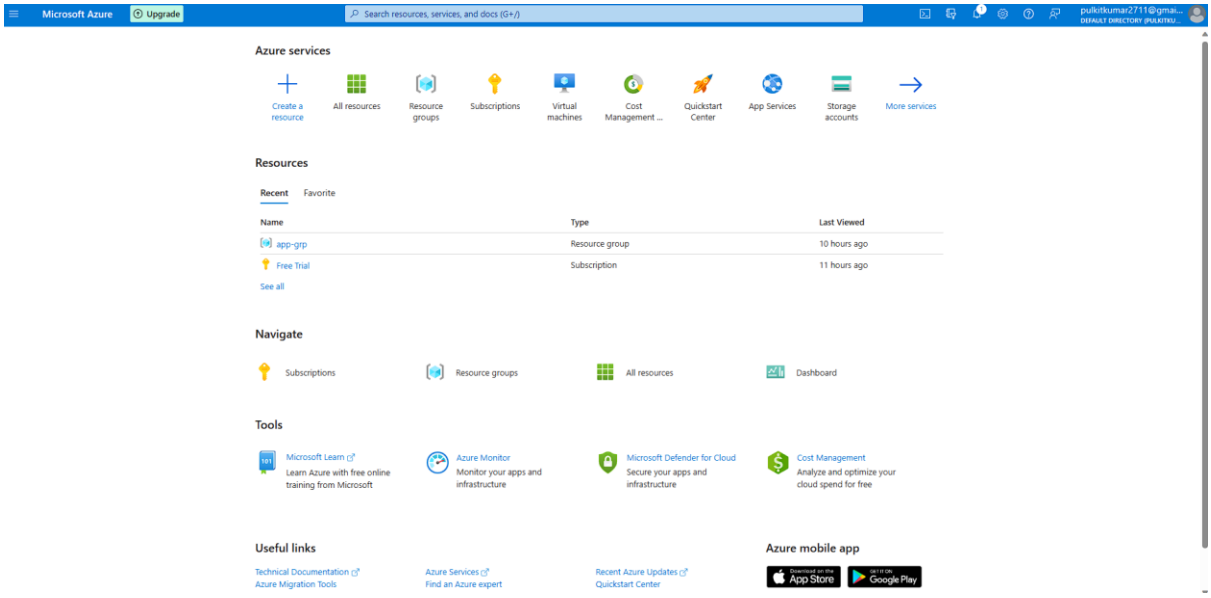
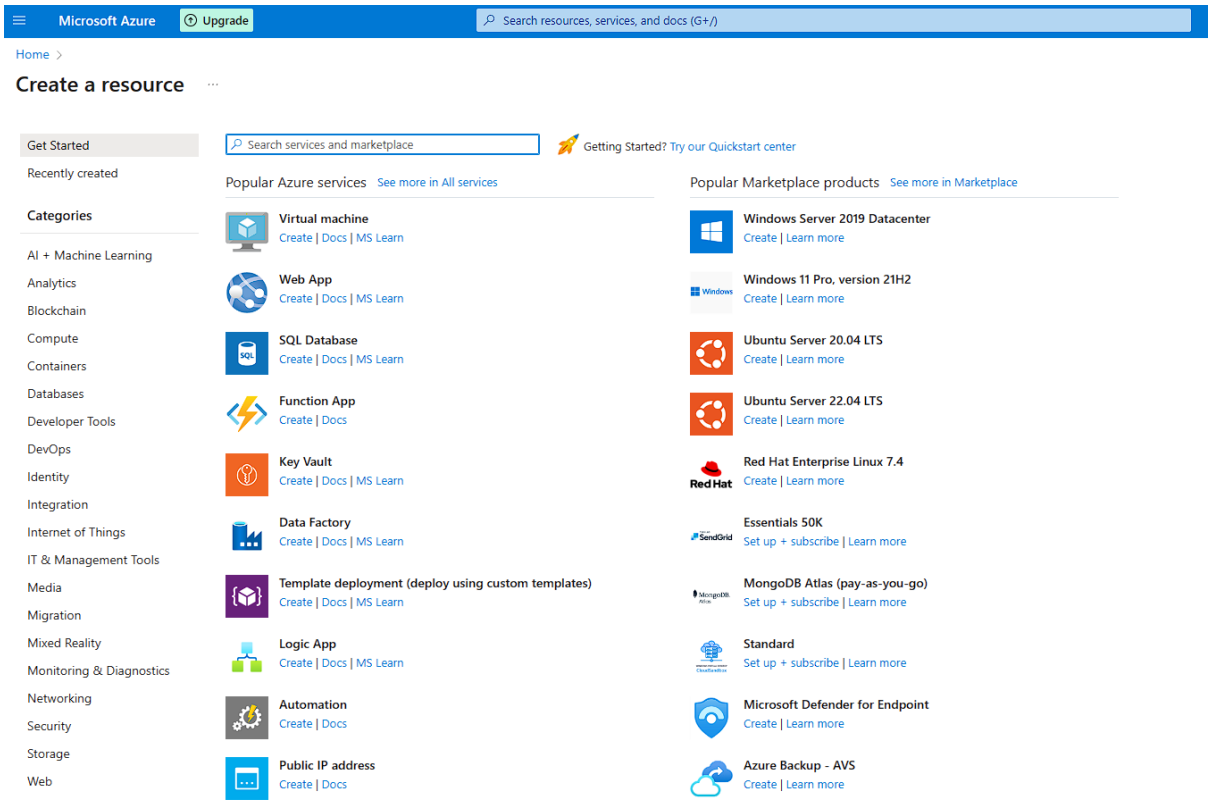
AZURE LAB 1 (Windows VM)

In this lab you will learn, how to create a windows virtual machine.

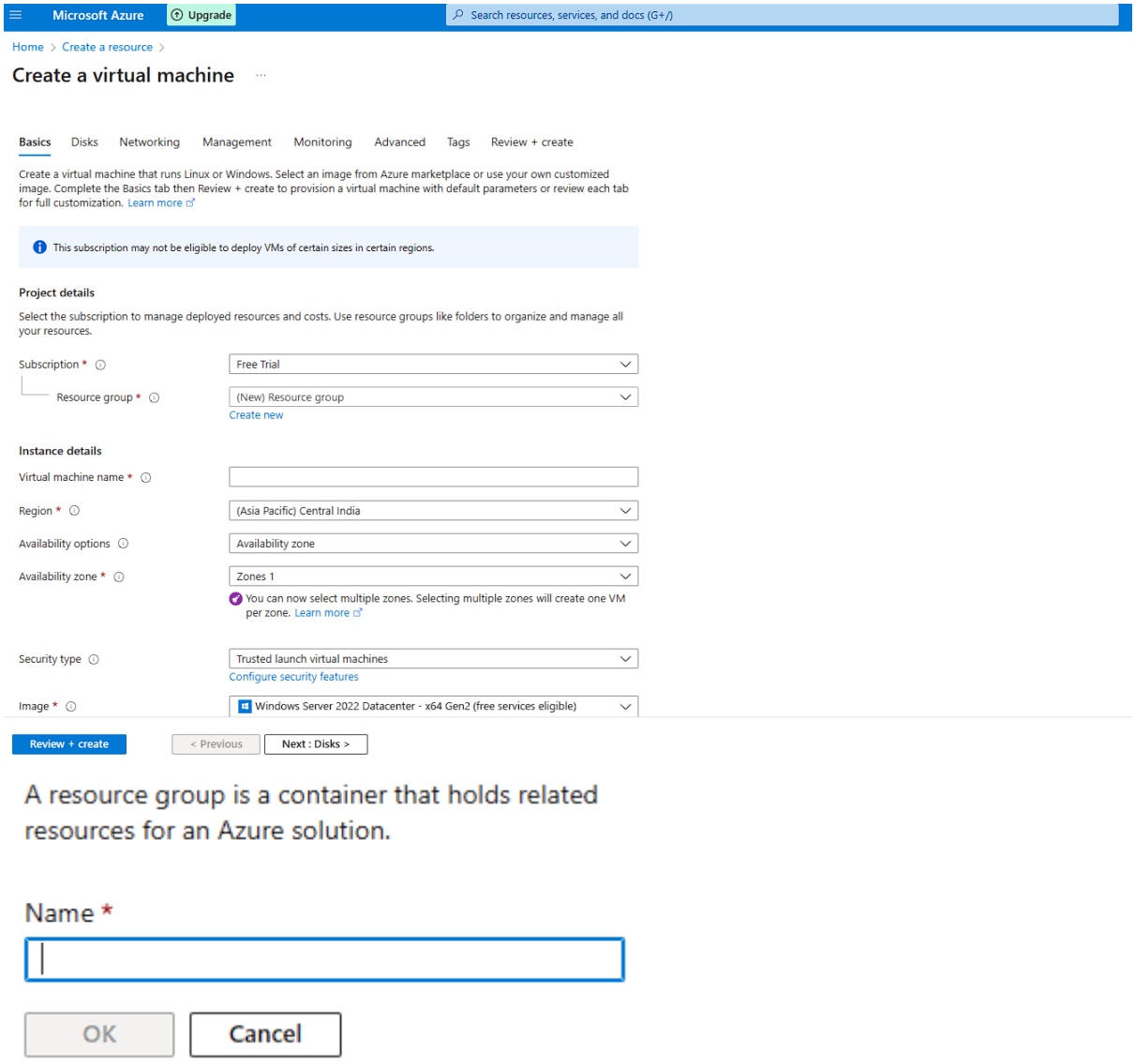
1. Log in to your Azure Portal. This is what its homepage looks like.



2. Now click on Create a resource. There you'll get this much of option to choose from, but you need to click on Virtual Machine.



3. This is how create virtual machine page looks like.

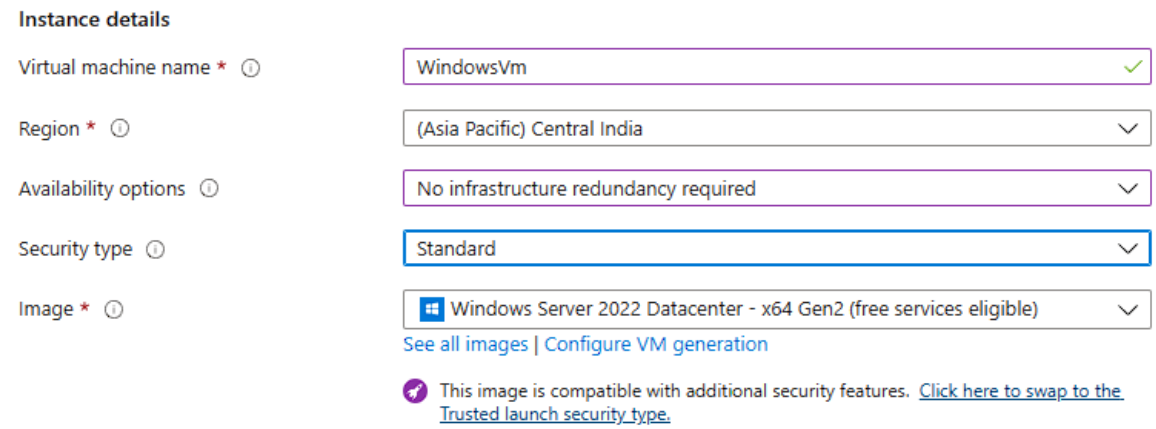


4. Here you need to select your subscription, mine is Free trial, so it has been selected by default.

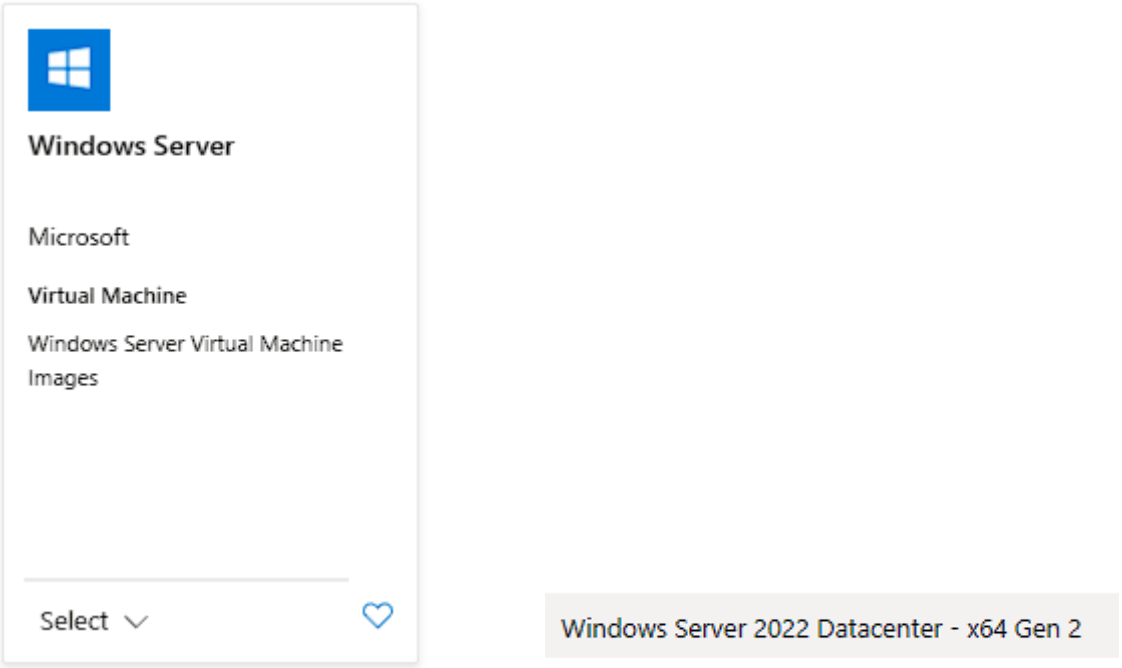
NOTE: If you are new to Microsoft Azure, creating a new account will benefit you a lot, because Azure gives you $200 credit for the first month.

5. On the resource group, create a new group, for that you just need to give it a name, and it will be created.

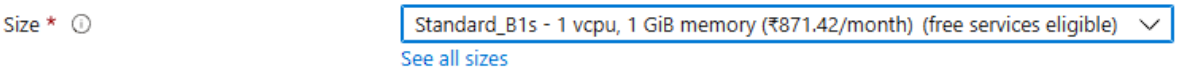
6. In the instance details option. Give your virtual machine a name, select your region from where do you belong.
7. In availability option, select No infrastructure redundancy required. Select Security type as Standard.



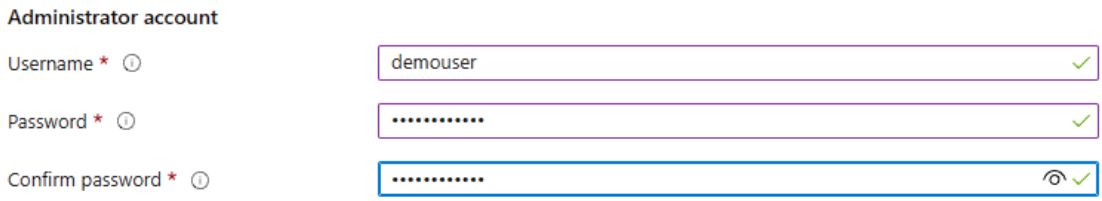
8. For the image part click on See all image, you'll at marketplace (it is a place from where you can select multiple images of different OS) there you need to select Windows Server then click on Select, now you will see multiple options to select from, but you need to scroll down to the bottom and select the below mentioned server.



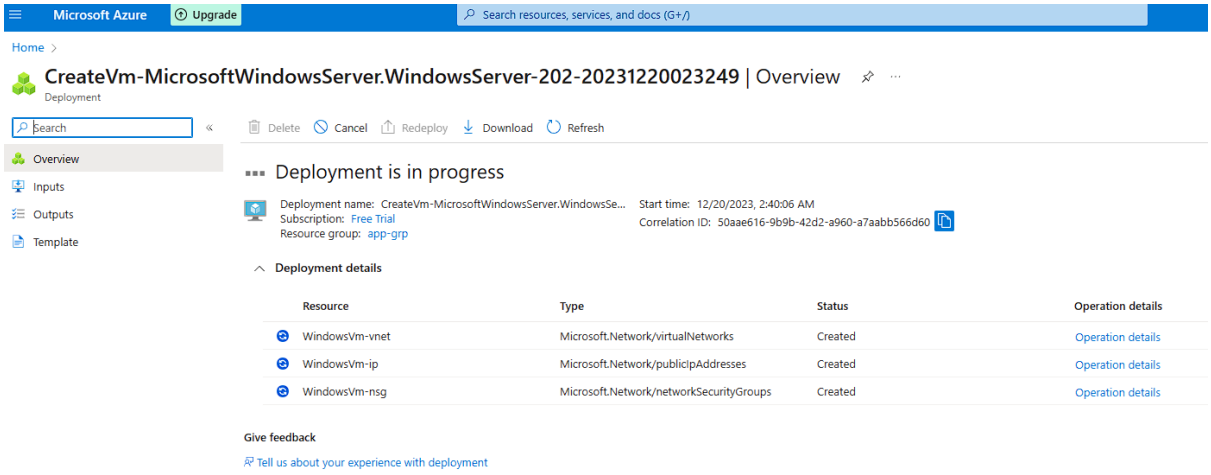
9. Now Scroll down, you'll see an option for sizes select this size because it is free tier eligible and it won't cost you much.



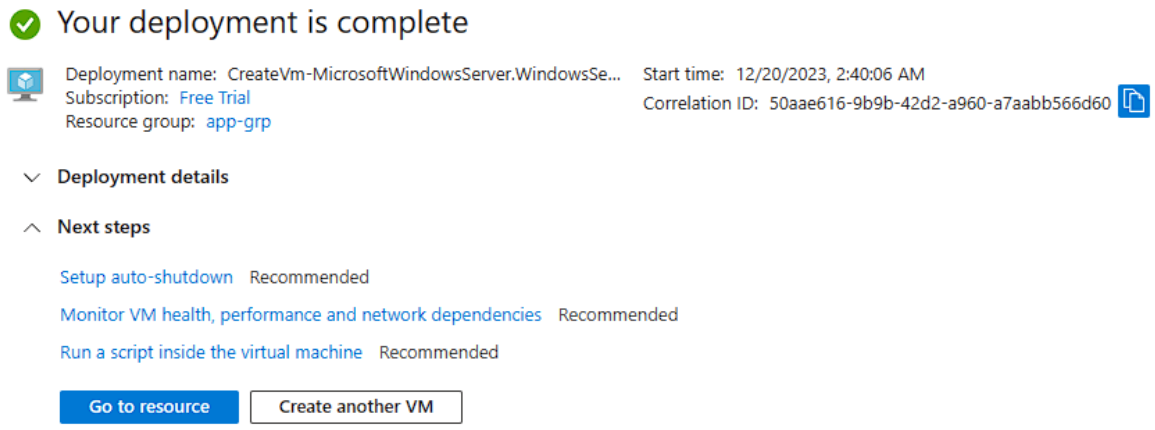
10. Now in the Administrator option give a user name and password. This user name and password will be used when you will RDP into your windows server (Remote Desktop Protocol)



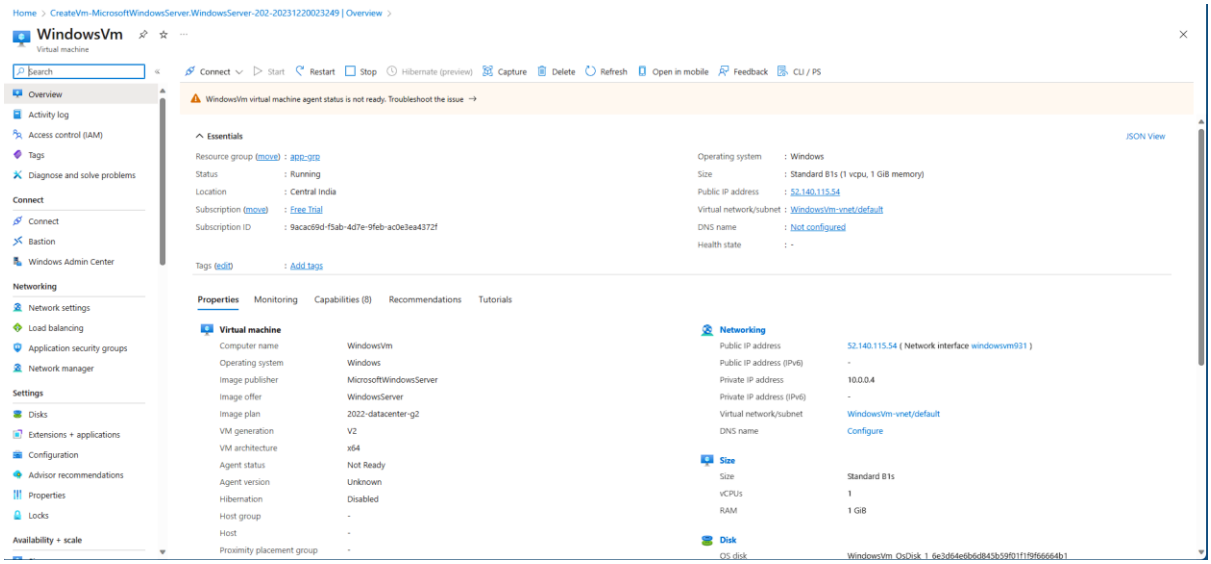
11. Now you just need to keep everything to default for now and go to Review and create page. There just create you windows server.
12. Wait for it to get deployed.



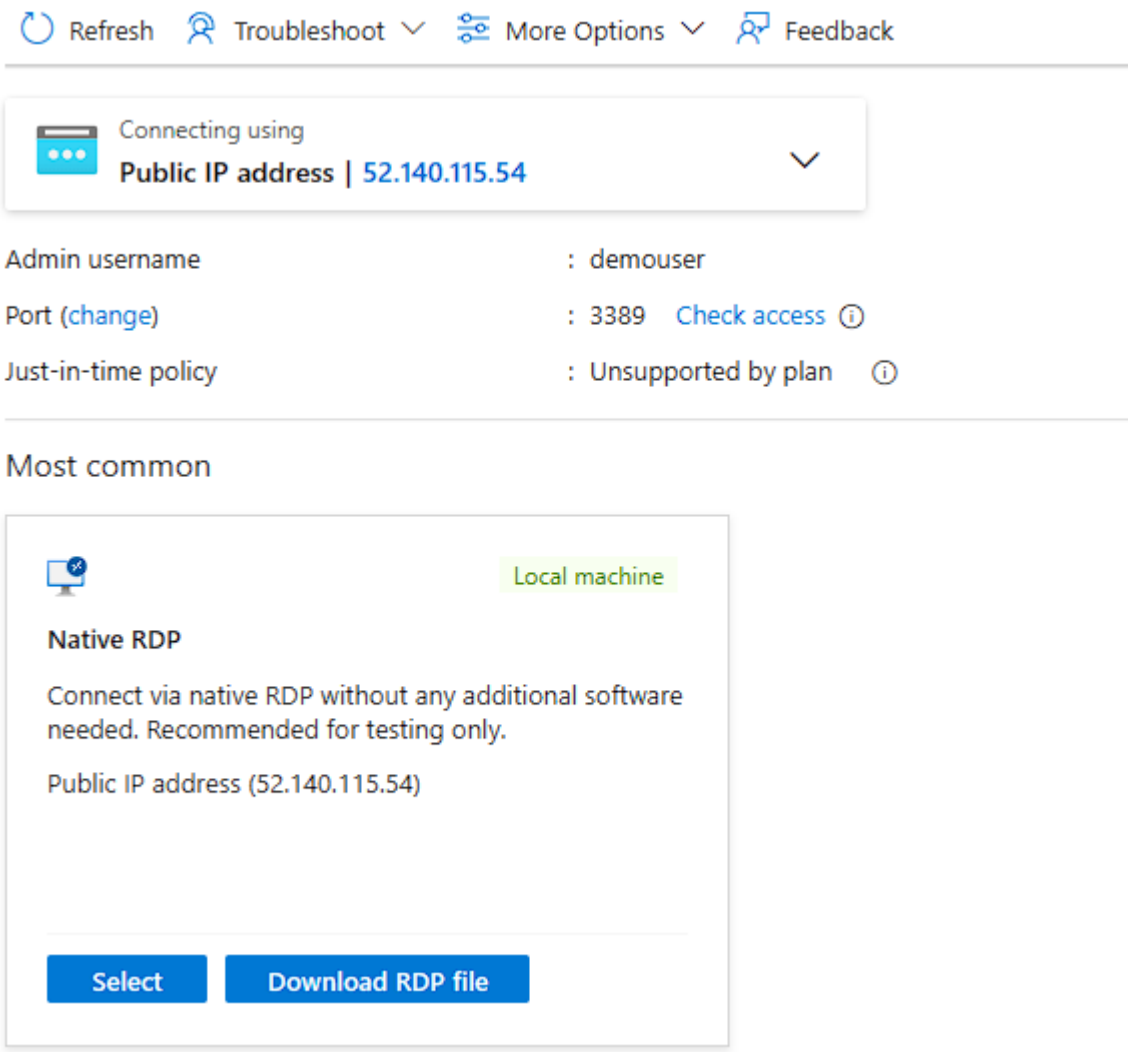
13. Once it gets deployed, click on Go to resource option.



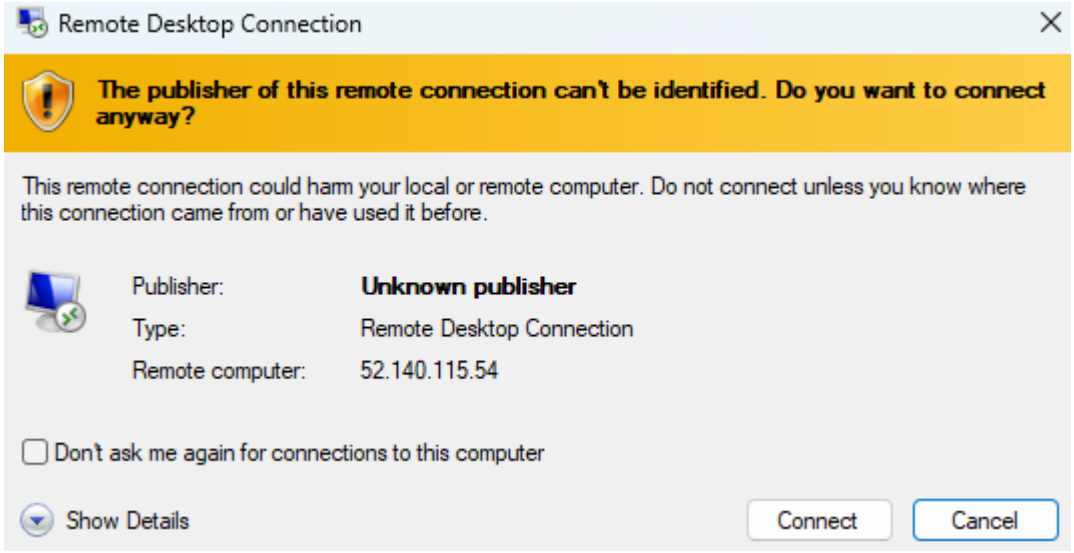
14. Here you can see every information regarding your windows server.



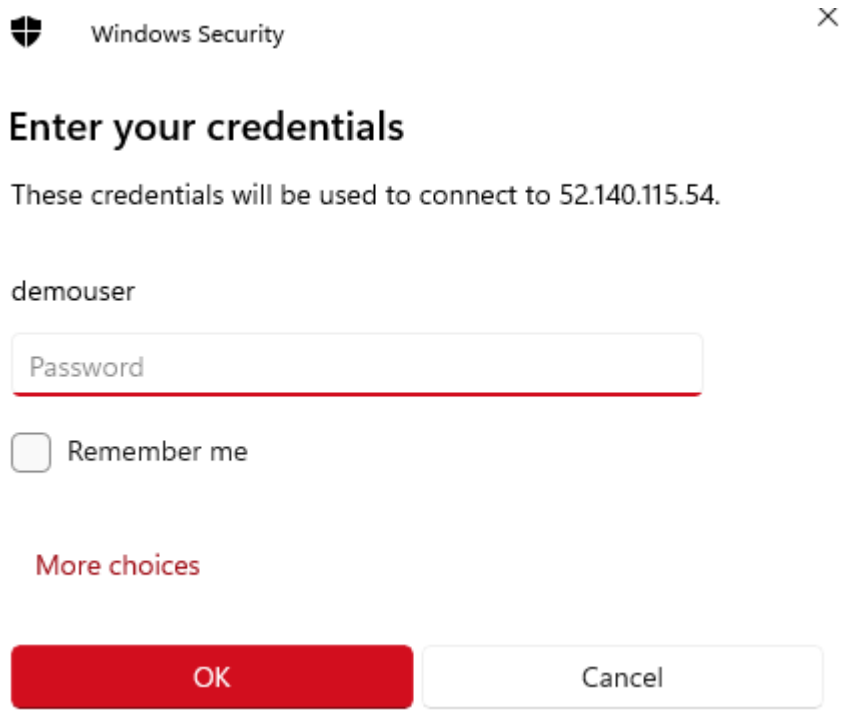
15. Now you need to click on Connect. From here download RDP file.



16. Once it gets downloaded click on open file, this kind of window will get open. Click on connect.

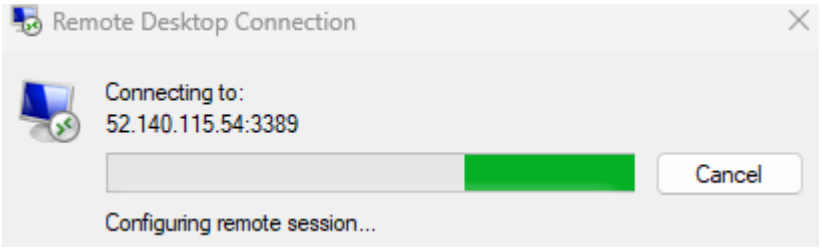


17. Now enter your password which you created while creating windows server. Then press OK.

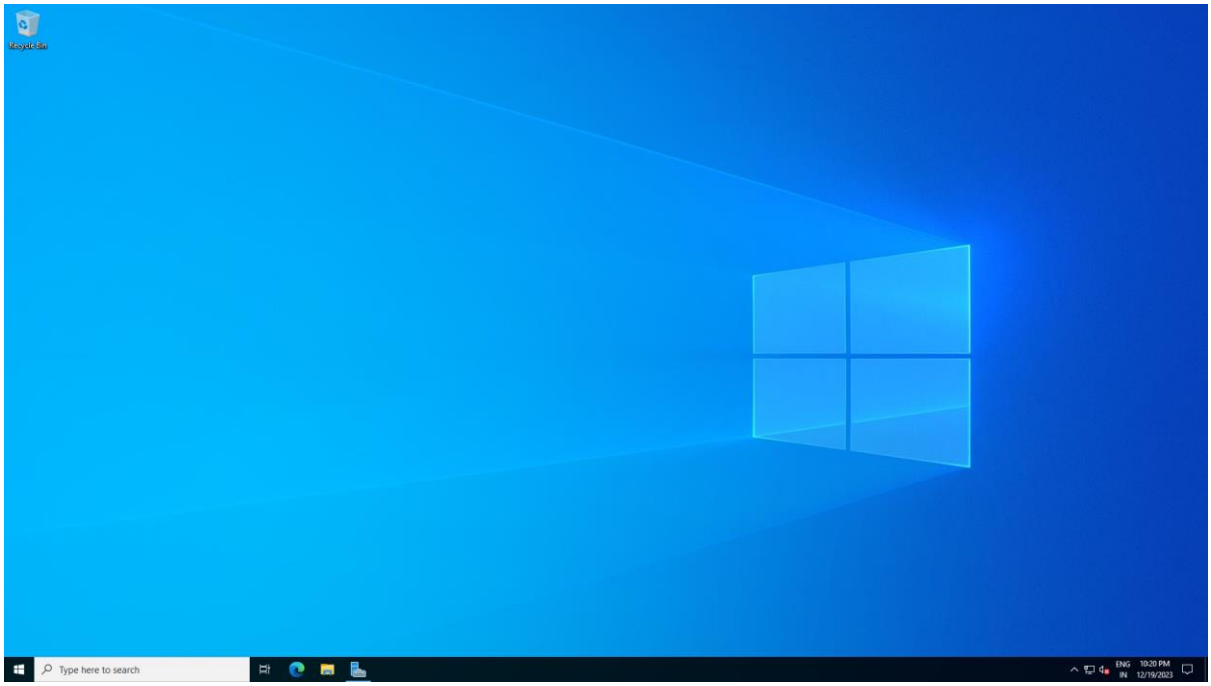


18. Now click on Yes.

19. This will start connecting to your windows server.



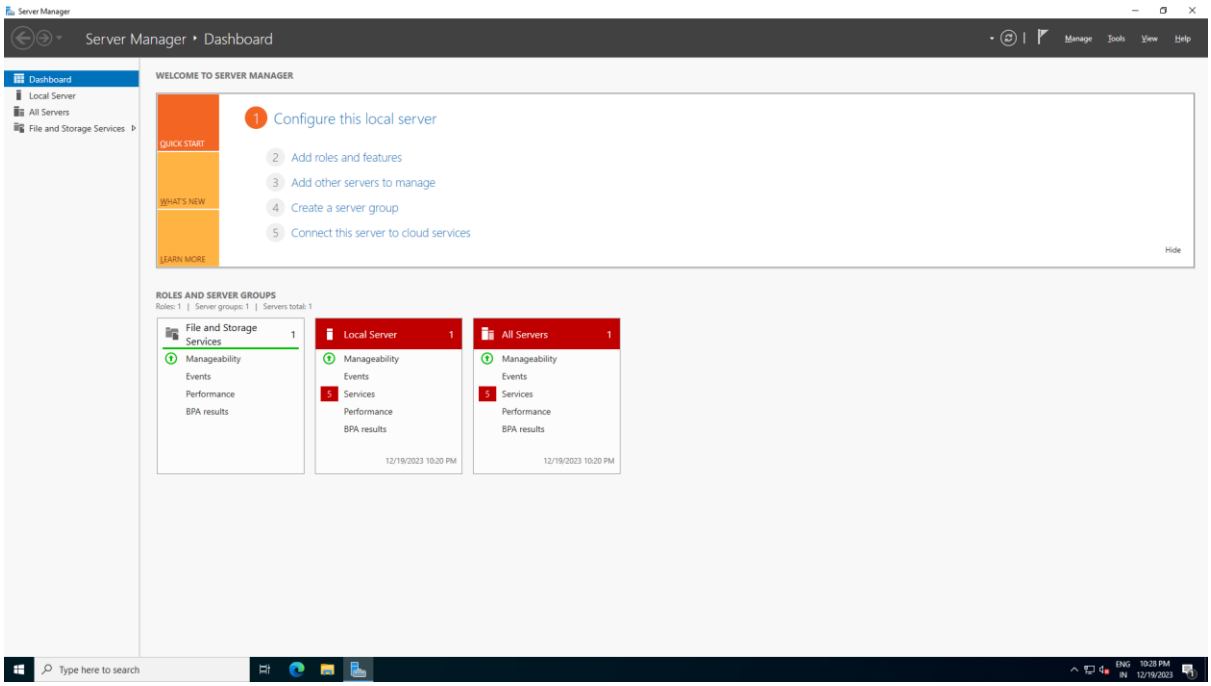
20. This is how your windows server would look like.



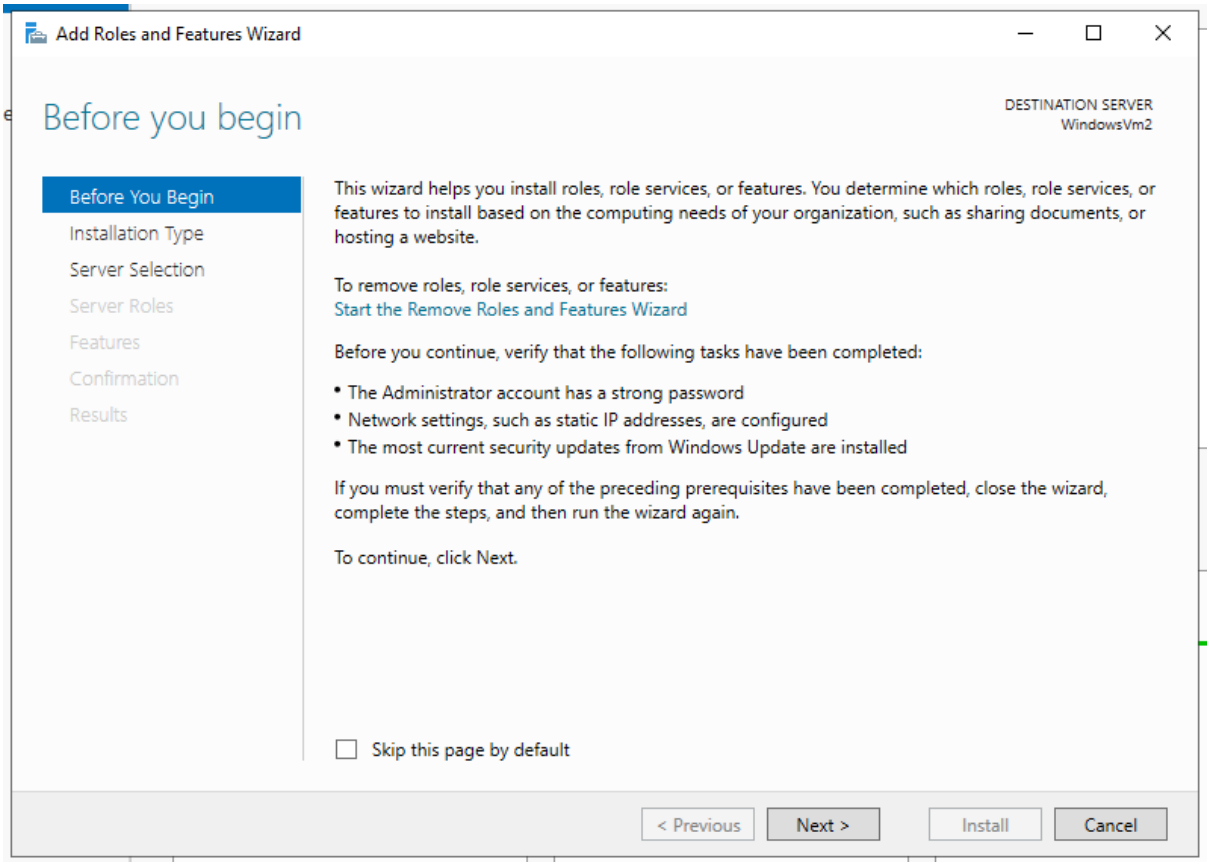
Hence, you have successfully started your windows server.

Installing Internet Information Services:

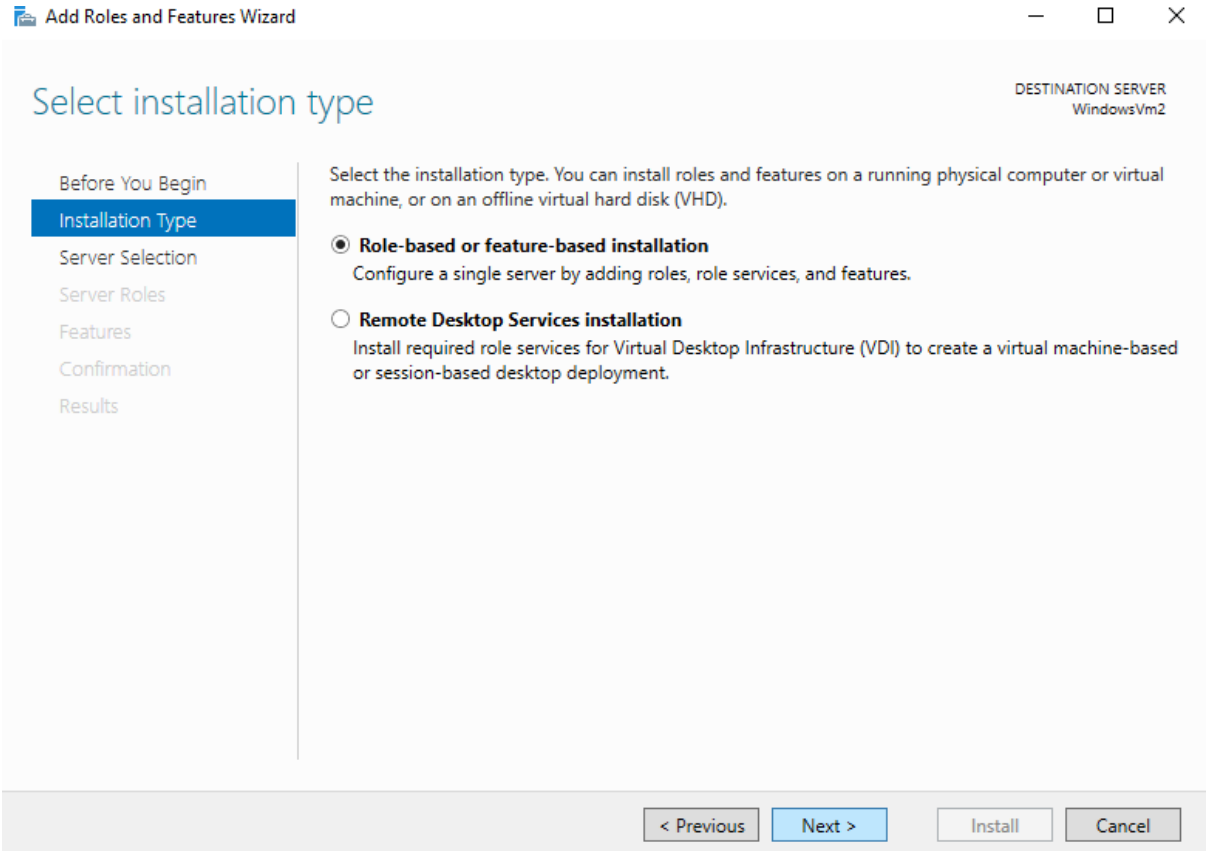
1. Now you need to set up a web server role on your machine.
2. For that in your windows server, you'll see that Server Manager is opened by default.



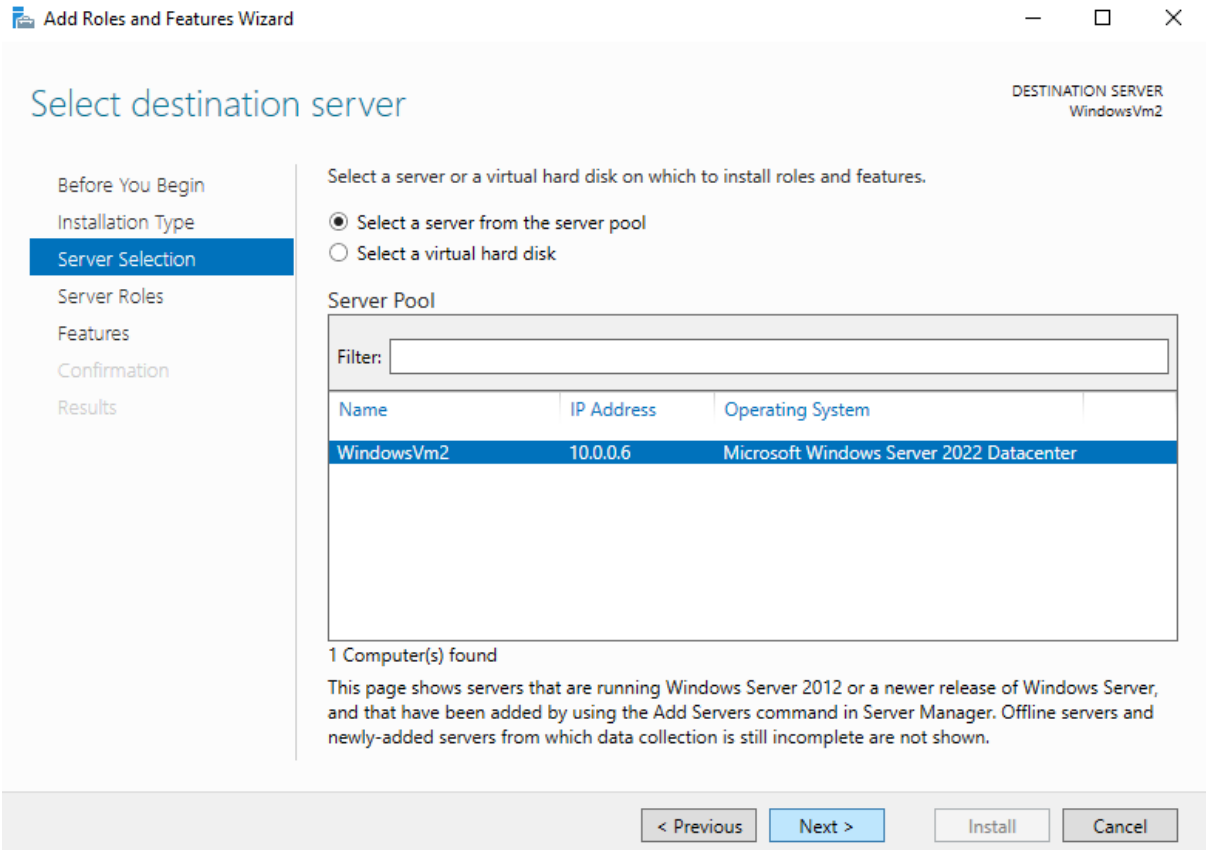
3. Here on the server manager, click on Add role and features. You'll be navigated to this page, now click on next here.



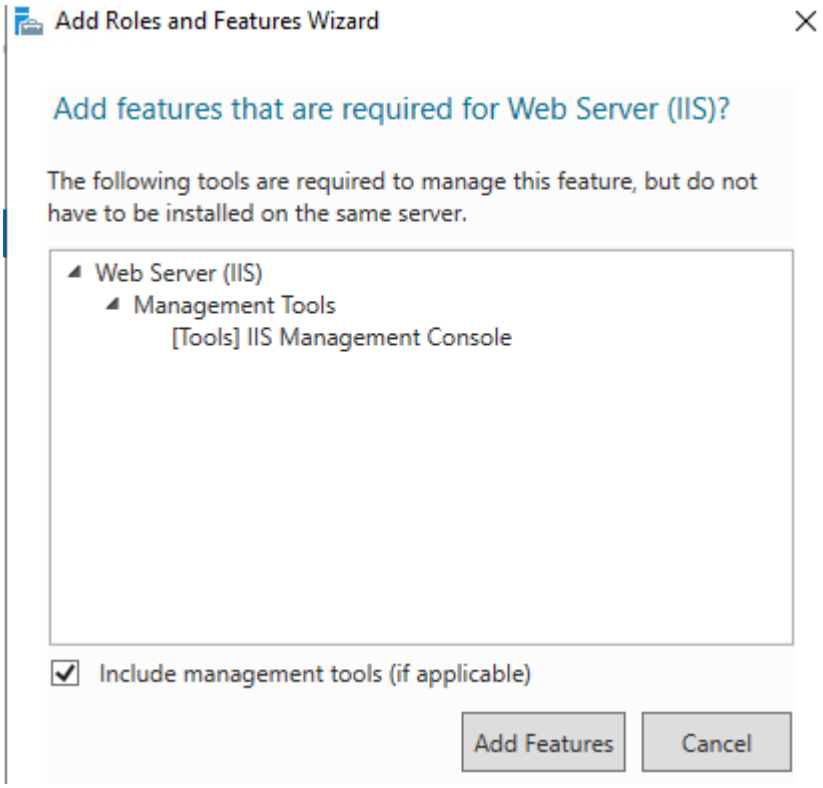
4. Now you need to select an Installation type.

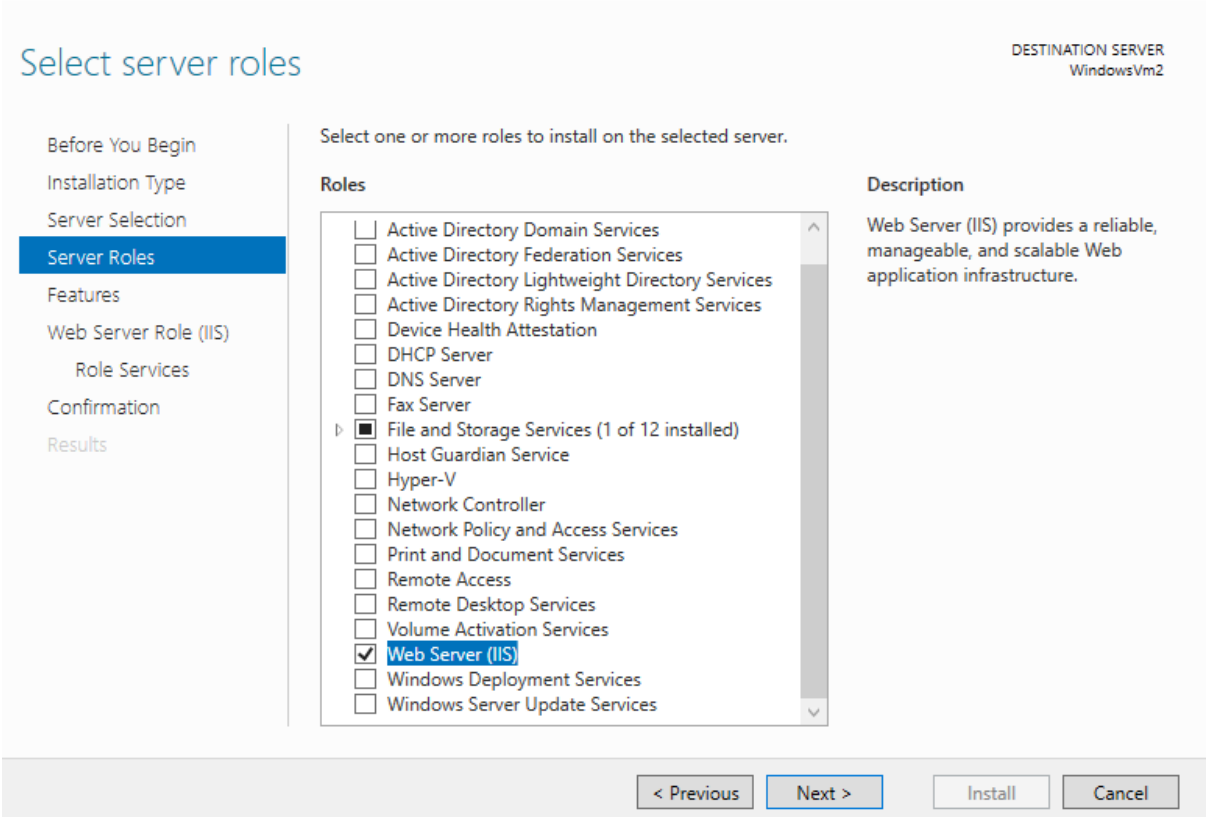


5. Here you need to select your server. Then click next

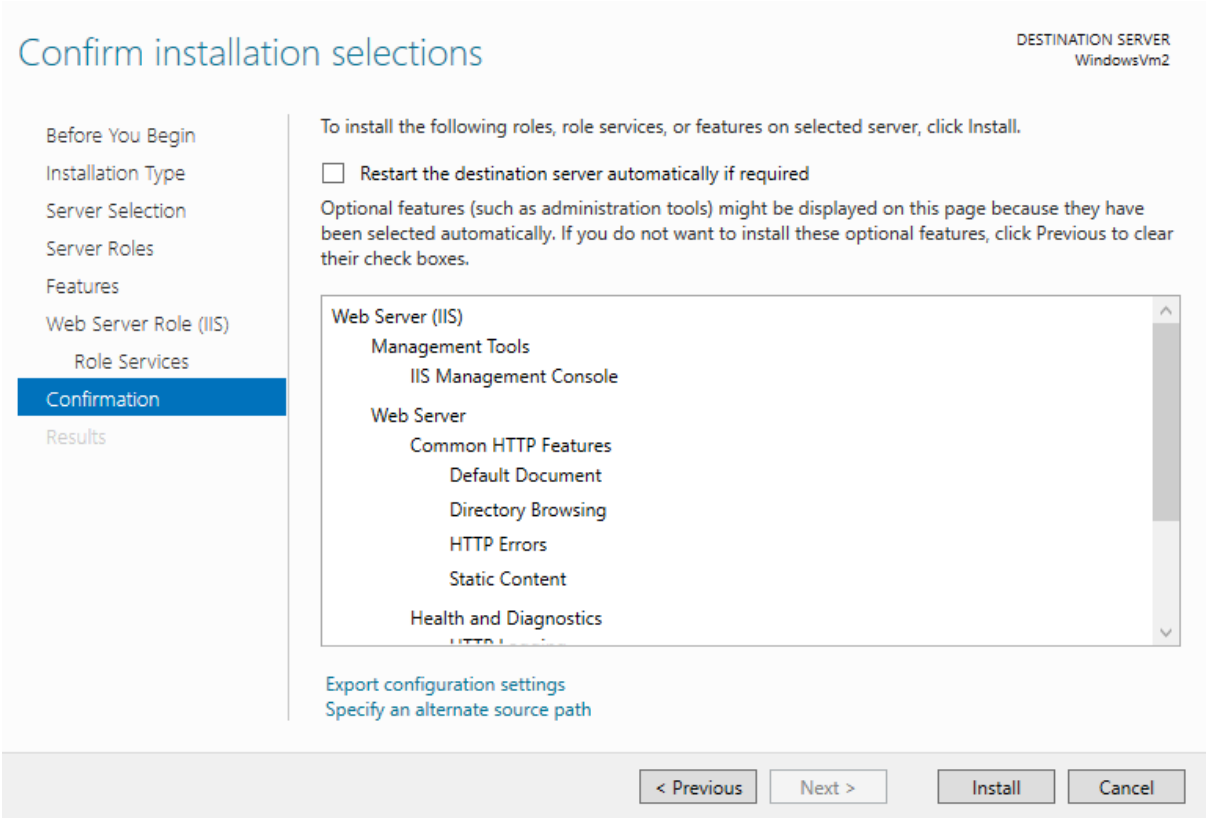


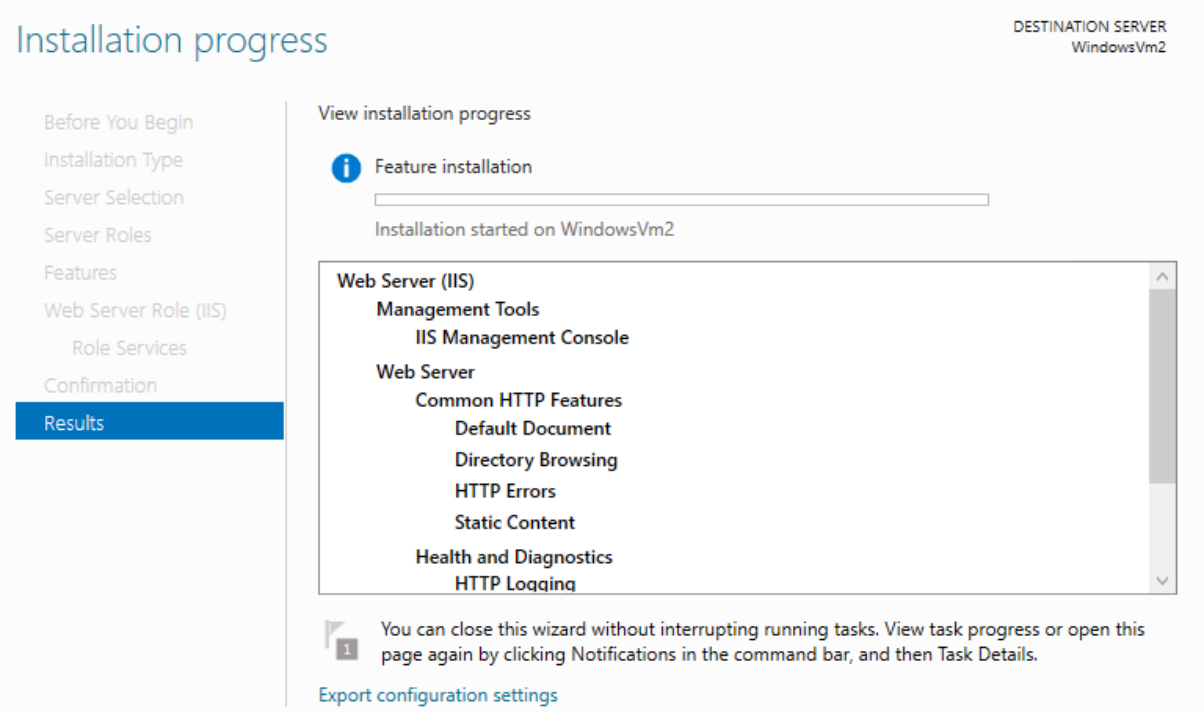
6. On this page you are required to select Server roles, so click on Windows server at the bottom and add this feature. Then click on next.



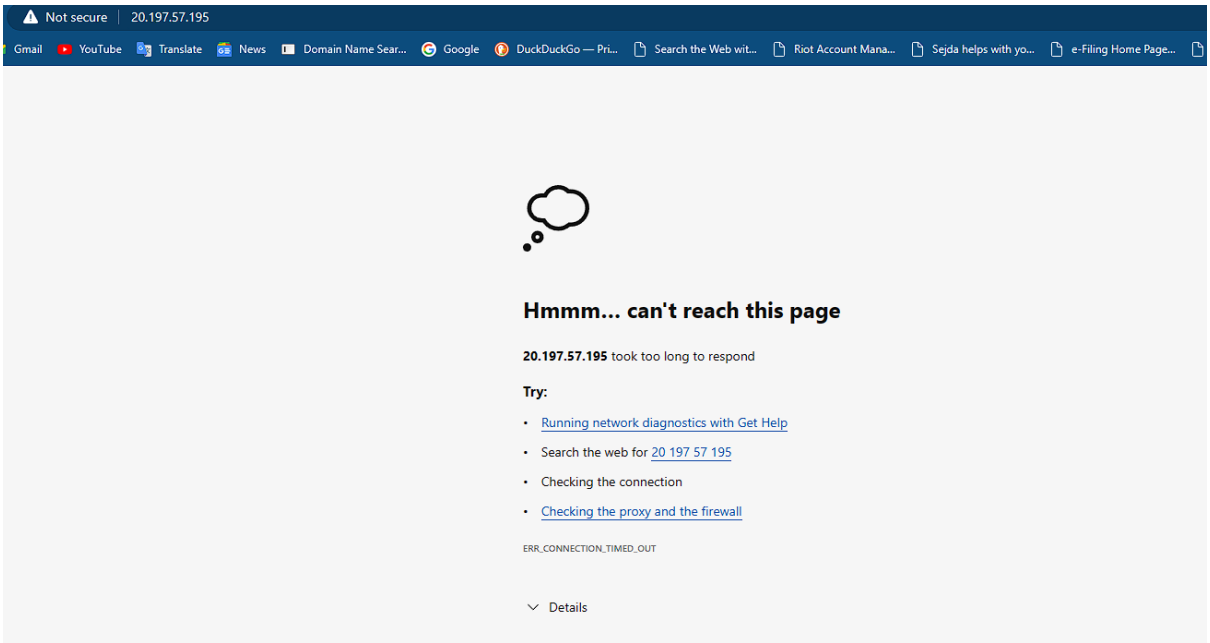


7. So, this is the last step, now just simply install it and wait for some time and let it get installed.

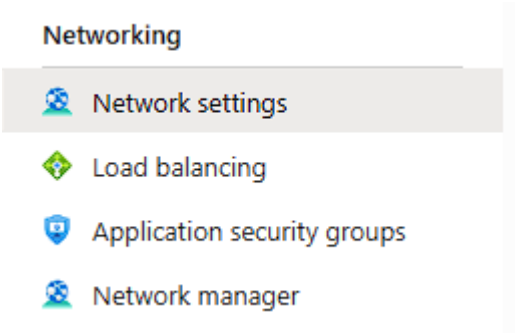




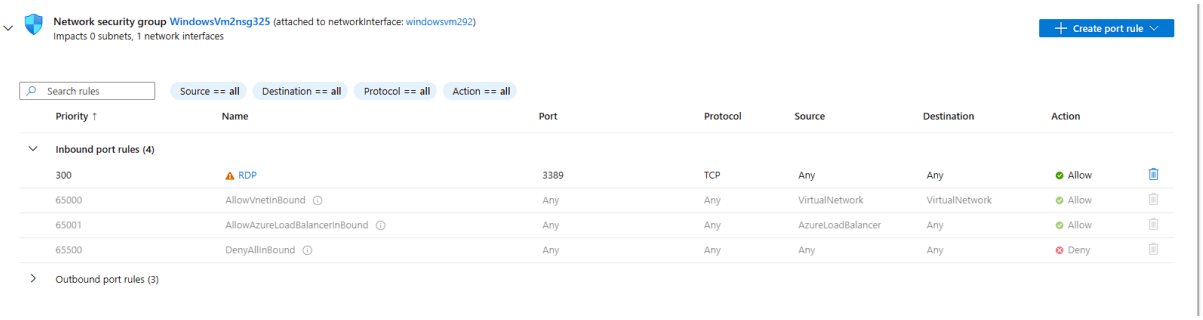
8. Once the installation is completed close it and navigate to your Azure Portal.
9. On the portal copy your public IP and paste it in a new tab.
10. After waiting for some time, you'll notice that it is giving you an error.



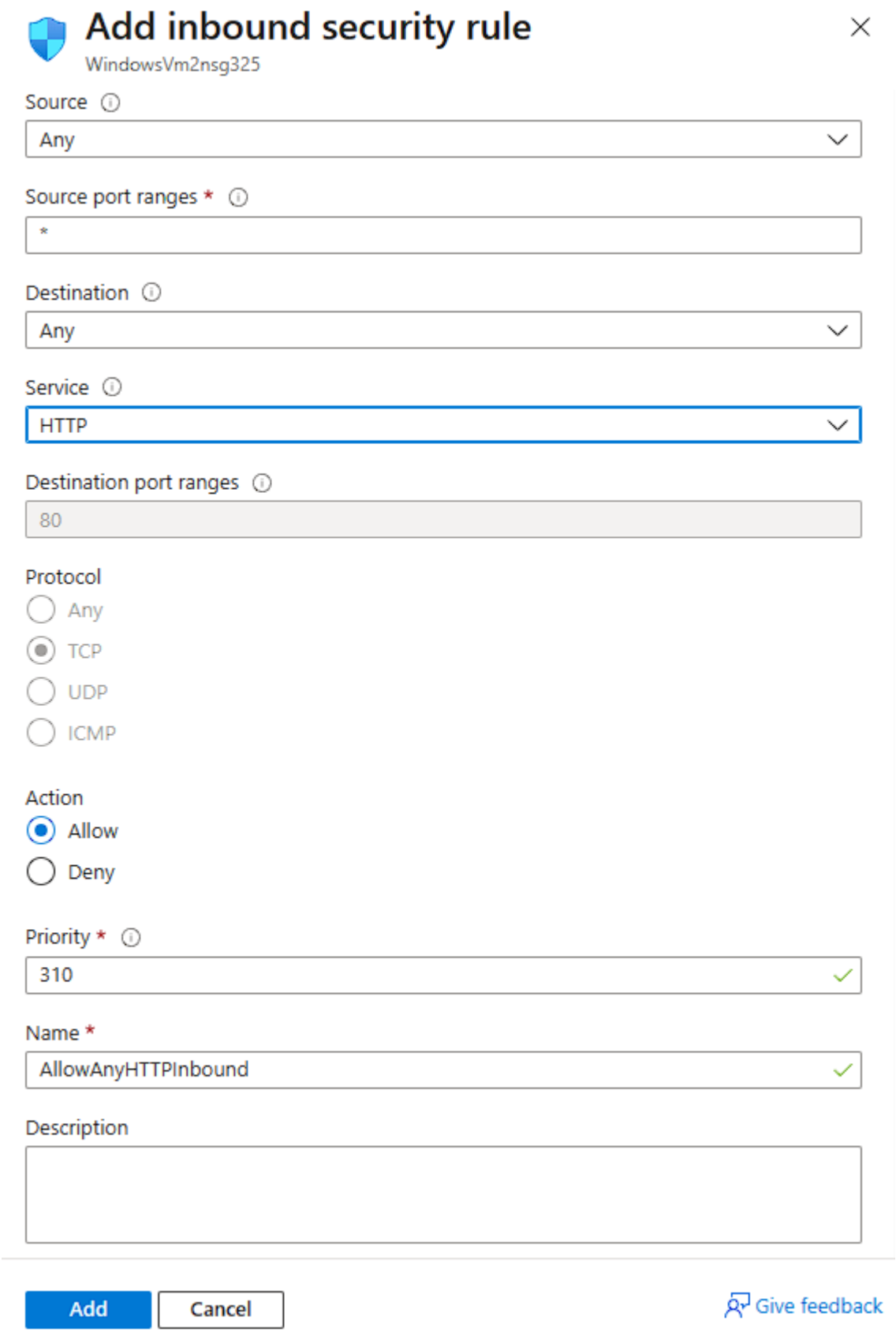
11. It is because your windows server is not open to Port 80, which is HTTP port.
12. So, to view your server on the internet you are needed to open your windows server to HTTP
13. For that go back to the Portal and in networking section click on Network Settings.



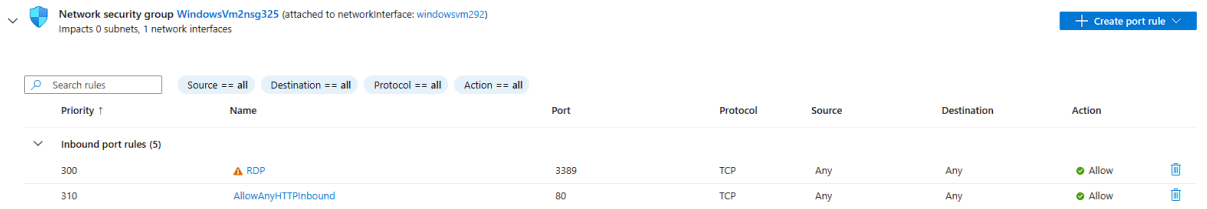
14. Here you need to click on Create port rule. Then select inbound rule.



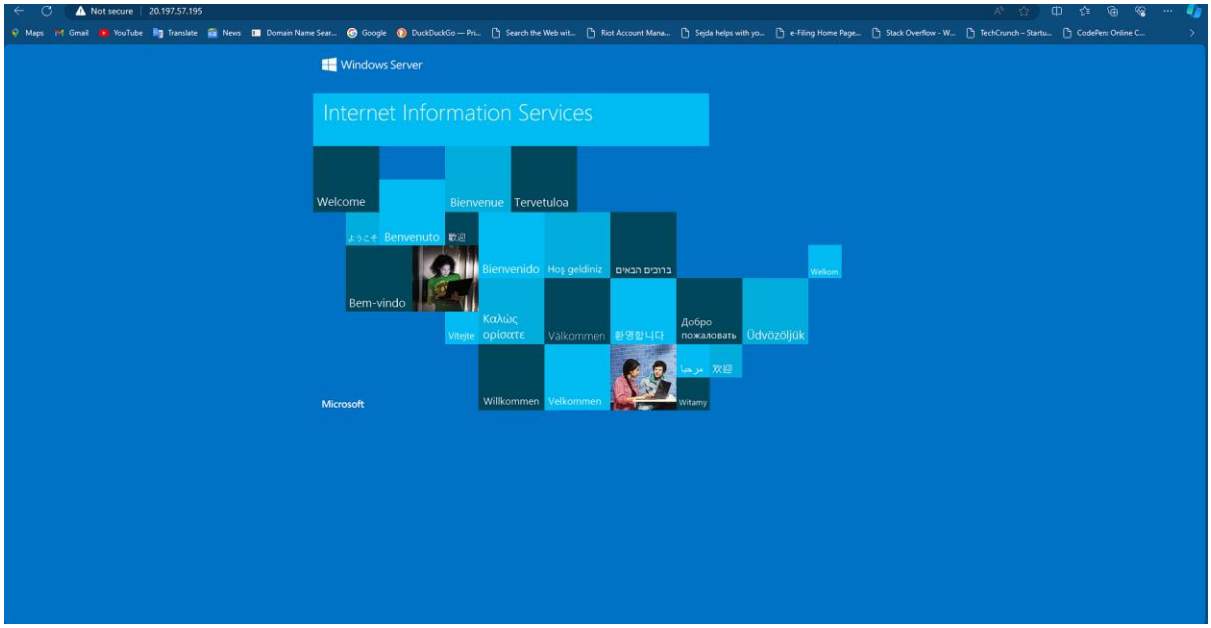
15. Here you just need to select Service as HTTP and add this inbound rule.



16. Now you can see that HTTP is added to the ports.

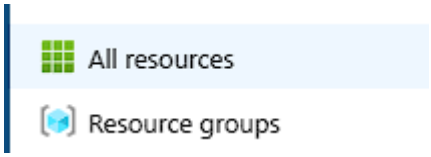


17. Now if you go back again to the tab where you copied your public IP address and refresh that page again then you'll see.

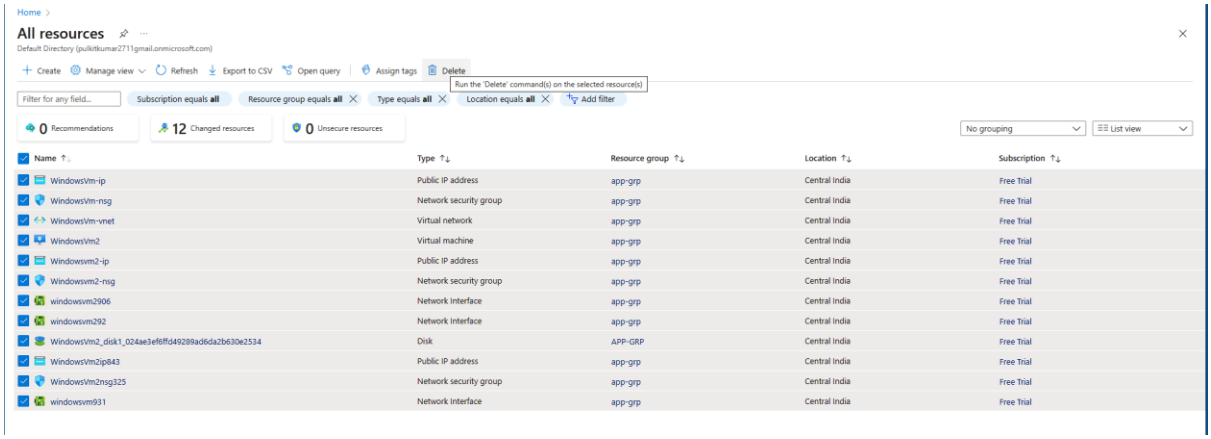


This is how you can set Web server role to your windows server.

NOTE: Once you have completed your lab now you need to delete your resources, for that go to Portal and click on hamburger icon the top left corner of the page. Then you have 2 options to delete all the things.



1. **First one is to delete the resource group which you created it will delete everything within its power.**
2. **Second, you can just click on all resources option, then select all your resources and then click on delete.**


Home
All resources
Default Directory (pulkitkumar2711gmail.onmicrosoft.com)
Create
Manage view
Refresh
Export to CSV
Open query
Assign tags
Delete
Run the 'Delete' command(s) on the selected resource(s)
Filter for any field...
Subscription equals all
Resource group equals all
Type equals all
Location equals all
Add filter
0 Recommendations
12 Changed resources
0 Unsecure resources
No grouping
List view
Name
Type
Resource group
Location
Subscription
WindowsVm-ip Public IP address app-grp Central India Free Trial
WindowsVm-nsg Network security group app-grp Central India Free Trial
WindowsVm-vnet Virtual network app-grp Central India Free Trial
WindowsVm2 Virtual machine app-grp Central India Free Trial
Windowsvm2-ip Public IP address app-grp Central India Free Trial
Windowsvm2-nsg Network security group app-grp Central India Free Trial
windowsvm2906 Network Interface app-grp Central India Free Trial
windowsvm292 Network Interface app-grp Central India Free Trial
WindowsVm2_disk1_024ae3ef6fffd49289ad6da2b630e2534 Disk APP-GRP Central India Free Trial
WindowsVm2ip843 Public IP address app-grp Central India Free Trial
WindowsVm2nsg325 Network security group app-grp Central India Free Trial
windowsvm931 Network Interface app-grp Central India Free Trial