

Meet Agrawal

Topic - Cloud

Assignment - 4 - PoC Document

Basic Setup -

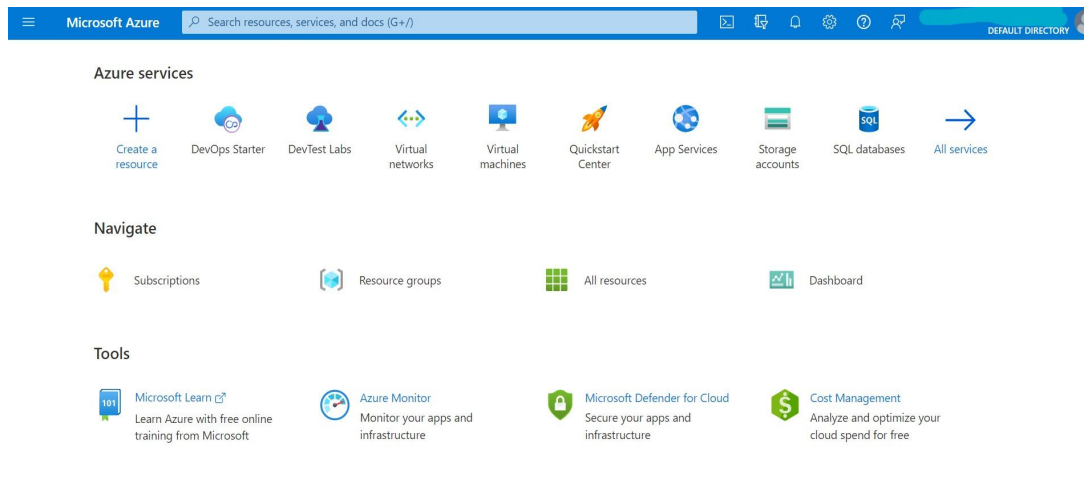
Activating Student Credits for using Azure -

Solve the assignment by activating Azure for Students using your college email id
Use the link - <https://azure.microsoft.com/en-in/free/students/>

Making account on Azure -

- 1) Register with a gmail account (not the student account - normal gmail account)
- 2) Then Click Link above and sign In again
- 3) You will be redirected to a form where you need to enter your college email
- 4) Accept confirmation email on your college account and you are all set with the student credits.

Final Screen once done with the setup looks -



Setting up Node JS :

You need Node JS to solve this assignment

Watch the video to setup if you haven't already done -

<https://youtu.be/7eOCxJyow>

Steps to follow :

1) Move to your cloud portal on azure

<https://portal.azure.com>

2) Make a Virtual Machine Resource and allow access using SSH and HTTP

<https://docs.microsoft.com/en-us/azure/virtual-machines/linux/quick-create-portal>

Link used to create the VM -

https://portal.azure.com/#blade/Microsoft_Azure_Billing/FreeServicesBlade

Machine Configuration :

- Standard B1s (1 vcpu, 1 GiB memory)
- Linux (ubuntu 16.04)

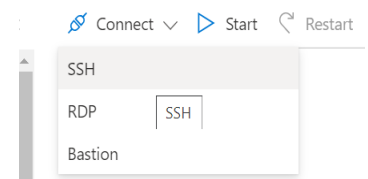
3) After you click on create it makes you download a “.pem” file which we will use to access the virtual machine using SSH

4) Commands to follow to ssh into the virtual machine created

```
chmod 400 <.pem file path>
```

```
ssh -i <.pem file path> azureuser@public-ipaddr
```

(Click option connect and then click “SSH” to get the details)



5) Once you have got into the machine using ssh then follow the ahead to download the apache2 web server

```
sudo apt install apache2
```

6) Check if the installation is successful by hitting the public IP address in your web browser

7) Move ahead to changing the default page to show your page

```
cd /var/www/html
```

```
sudo vi test.html
```

8) Add the html to code to the file

Use “:wq!” - to exit VIM editor and save the content

9) Change the names to make our test file as the default index page

```
sudo mv index.html back.html
```

```
sudo mv test.html index.html
```

10) Move to your browser and hit the public IP address to display your web page

Reference Video

<https://youtu.be/WcmQ8yIGXqU>