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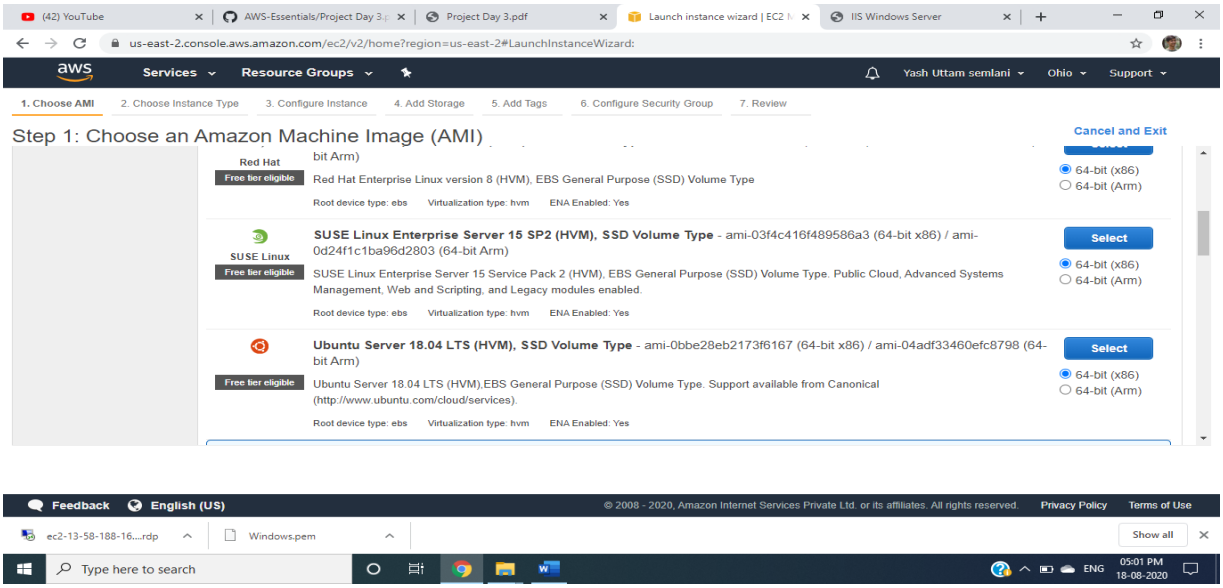
Email id : yashsemlani672@gmail.com

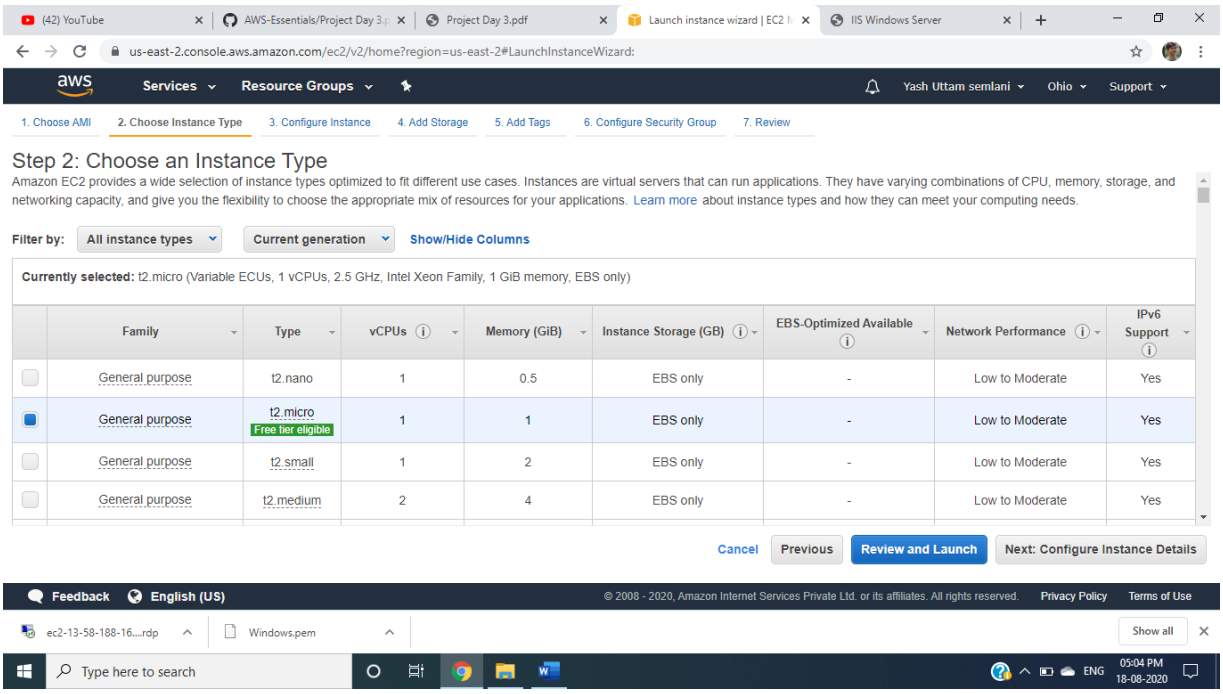
PROJECT 2 :

Deploying a web server in Ubuntu Instance

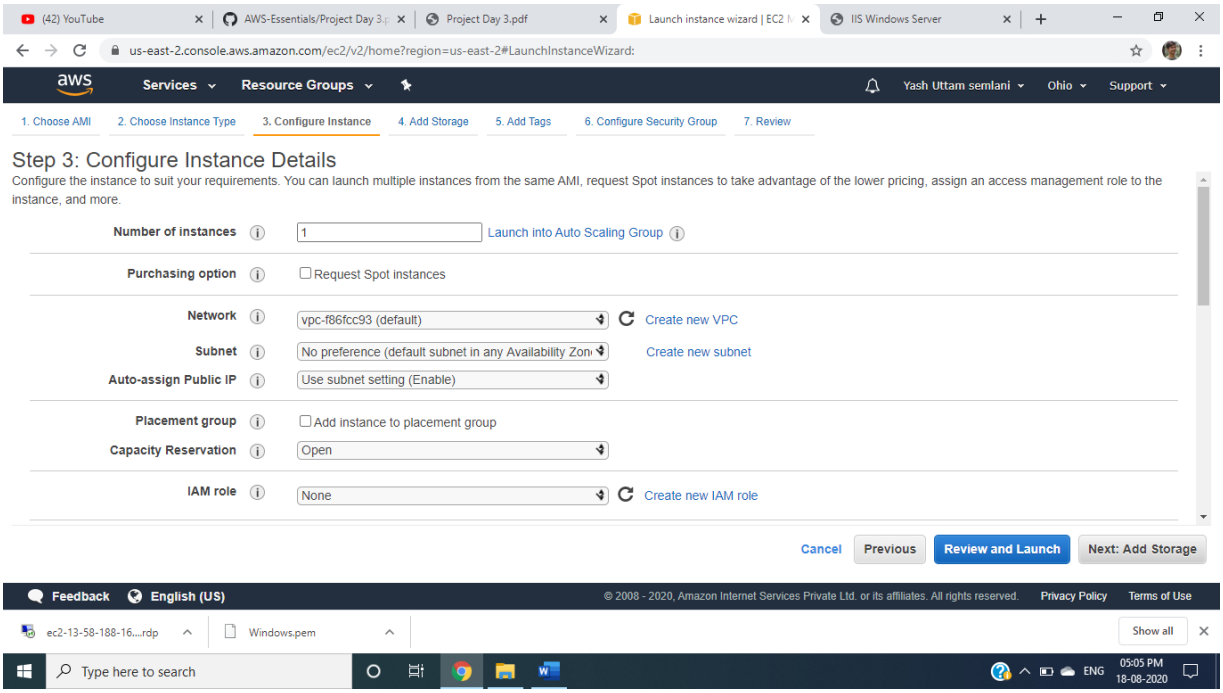
1.login to your AWS console -> go to services -> go to EC2 -> go to instances -> go to launch instances -> select Ubuntu Server 18.04 LTS (HVM), SSD Volume Type



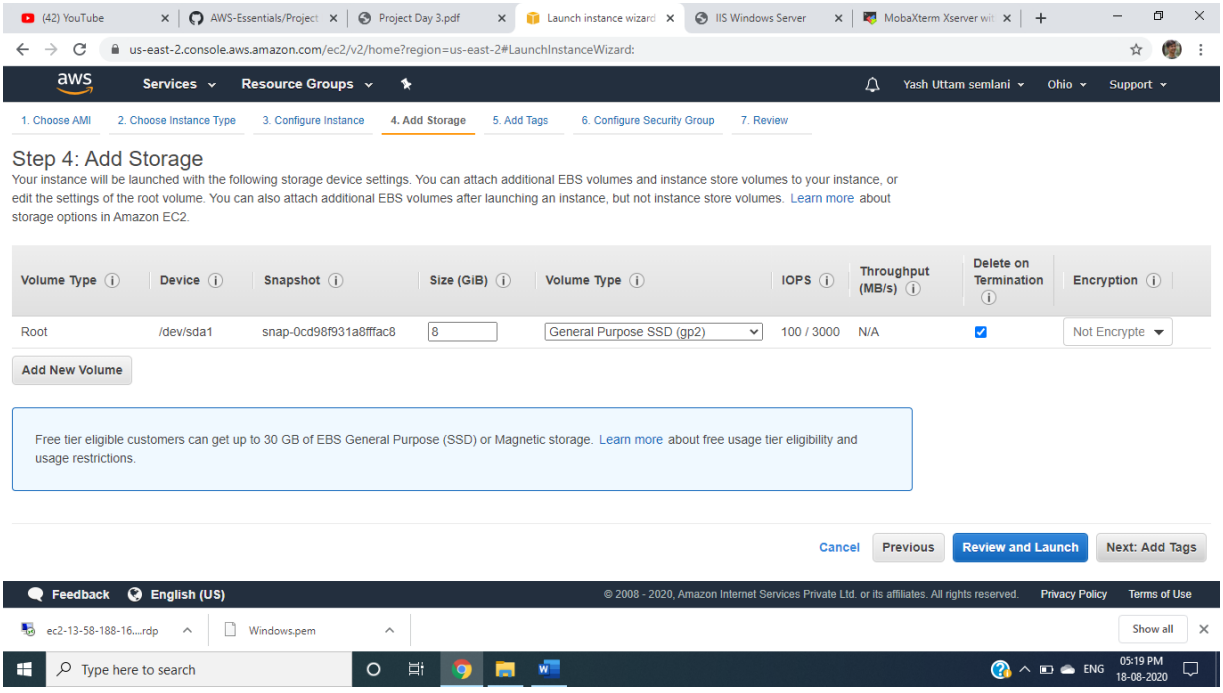
2.After selecting AMI -> Choose an instance type -> select t2 type micro which should be free tier eligible -> and click on Next : configure instance details



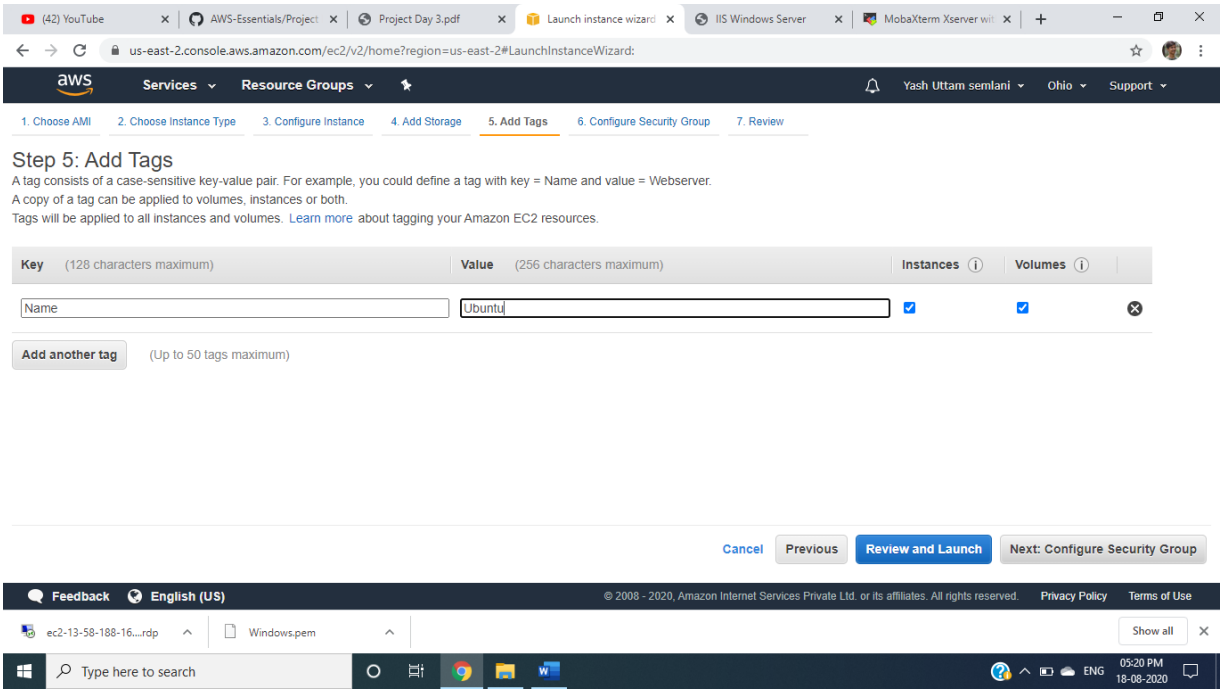
3.Configure Instance Details -> Select no of instances = 1 and auto assign ip address as enable -> and click on Next : Add Storage



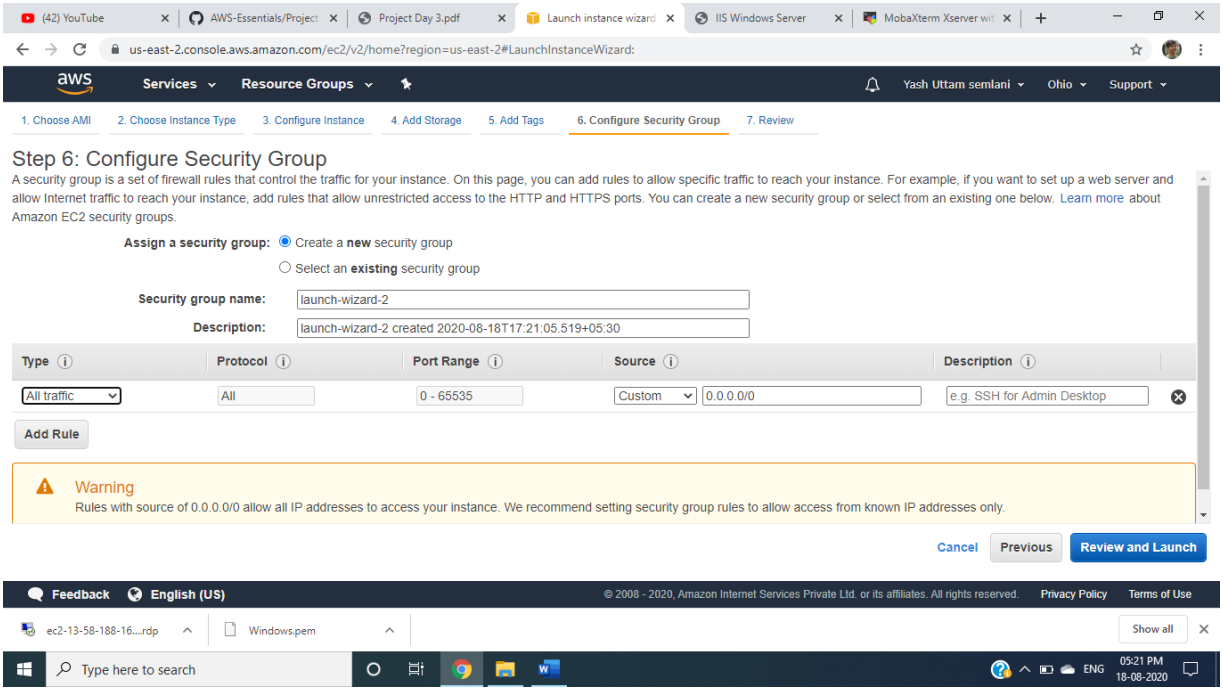
4.Add Storage -> In add storage let everything be default and Delete on Termination must be selected and click on Next : Add Tags



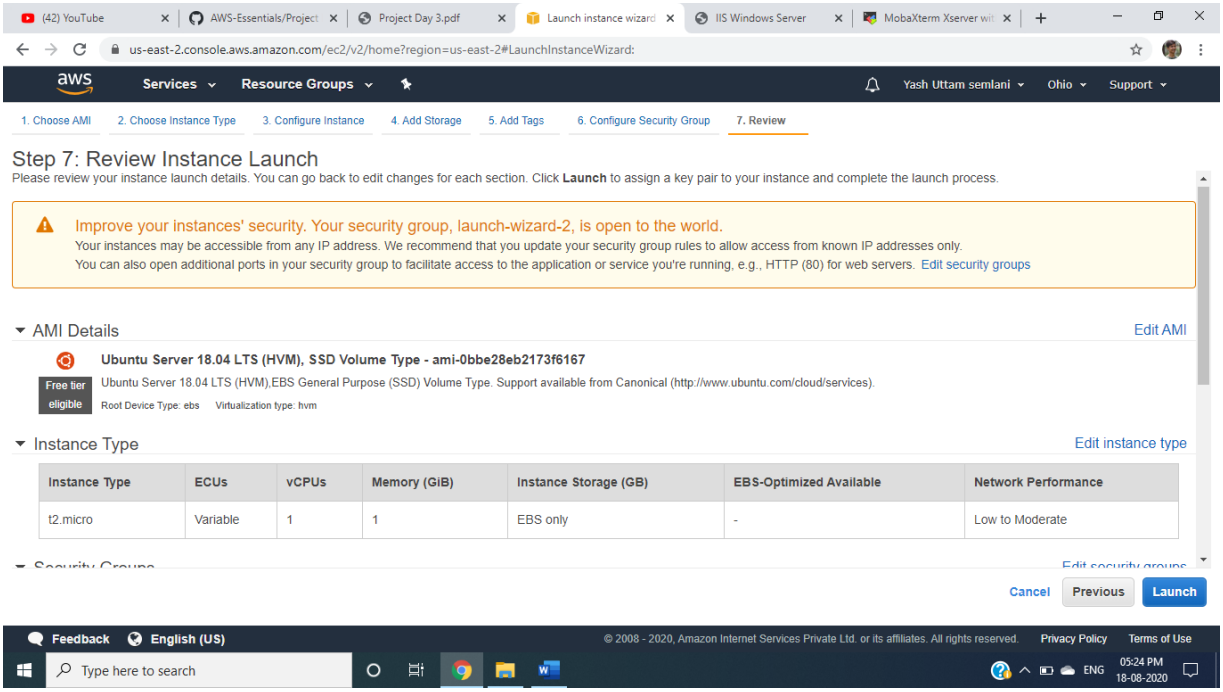
Add Tags -> In Add Tags enter any you want to give to your instance and click on Next: Configure Security Group



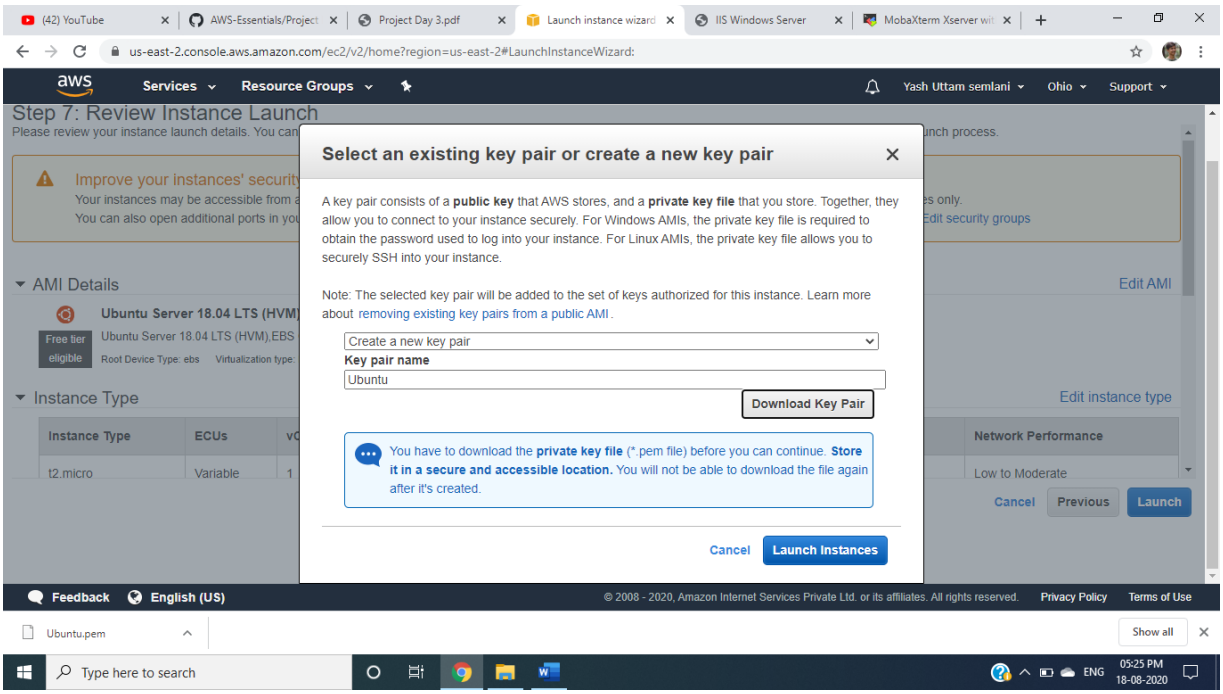
6.Configure Security Groups -> In Configure Security Group -> Create a new security group -> Select Type = All Traffic and Source = Custom. -> Click Next: Review and launch.



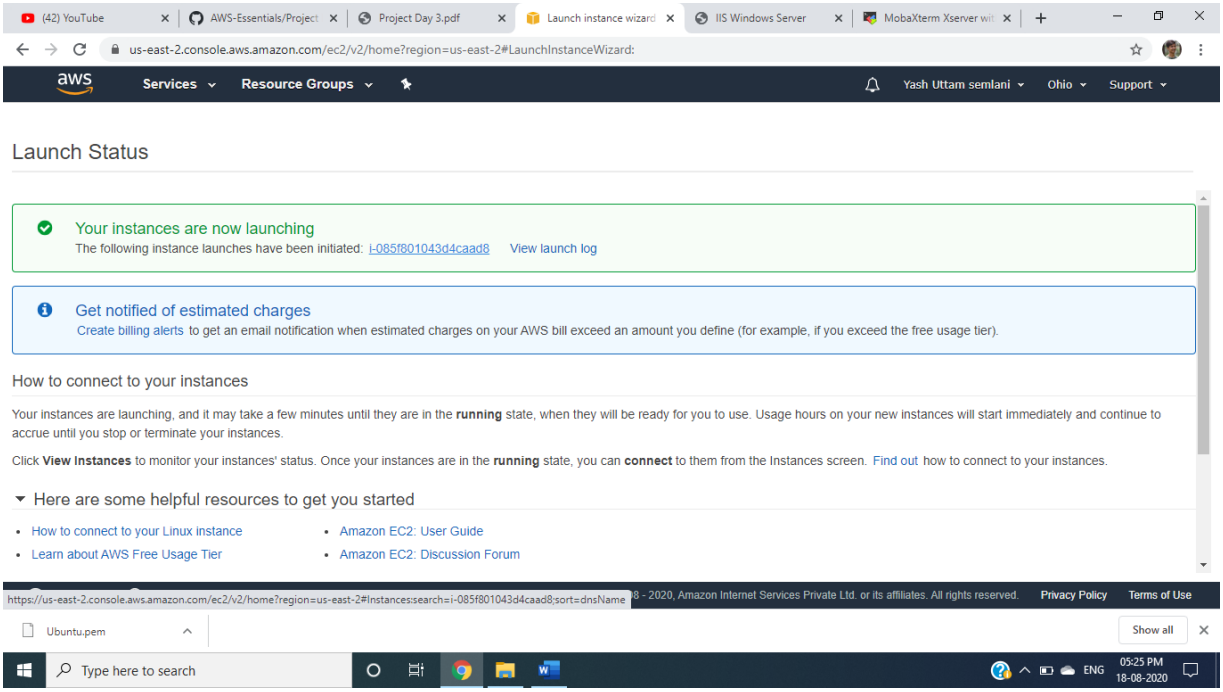
7.Review All Steps and click on launch



8.After launching create a new key pair which will allow us to get connect to instance , and then click on download key pair and click on launch instances

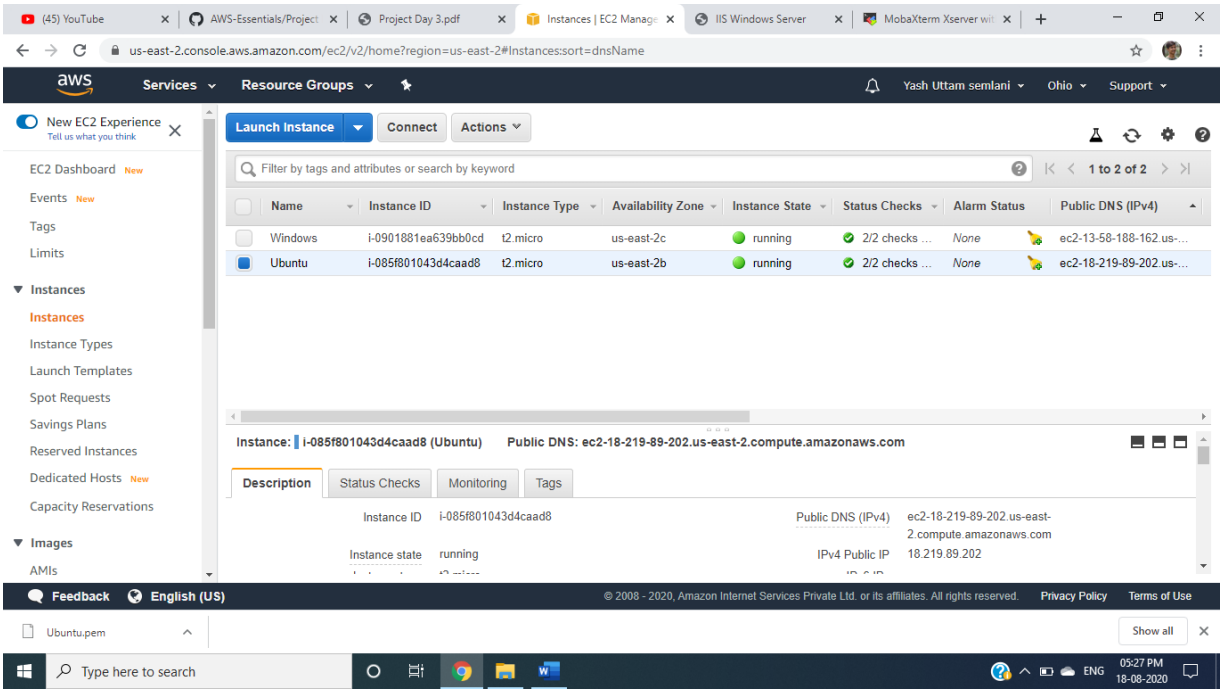


9.Instance is created and click on instance id which will take you directly to the instance list



10.Wait till the status check is done and copy the Public IP Address of the Ubuntu instance

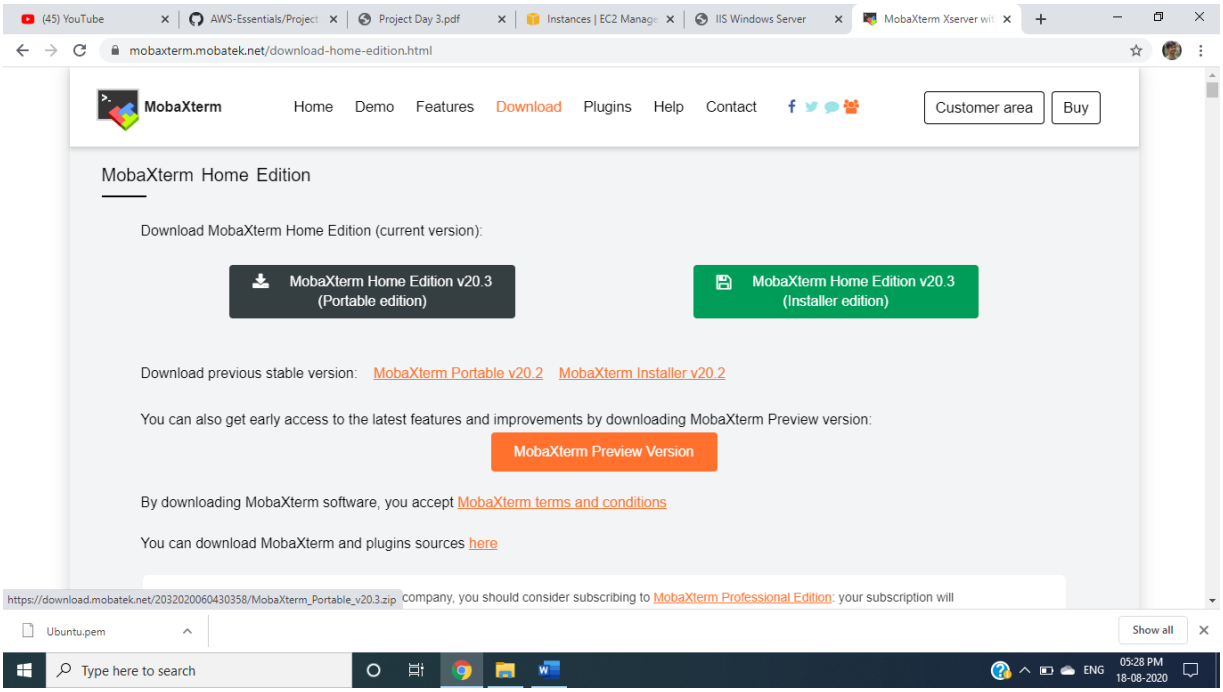
i.e. 18.219.89.202



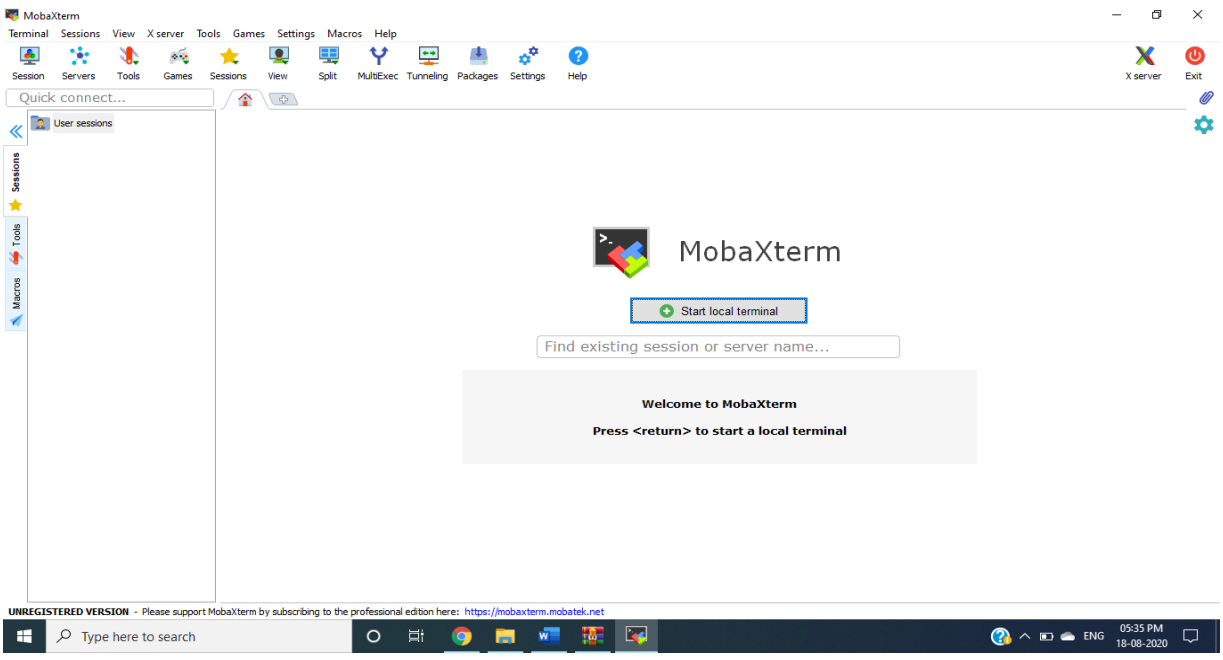
11. Now to connect and launch your web server, Download MobaXterm Portable Edition from the link below:

https://mobaxterm.mobatek.net/download-home-edition.html

After downloading extract the zip file to get the MobaXterm.exe file.



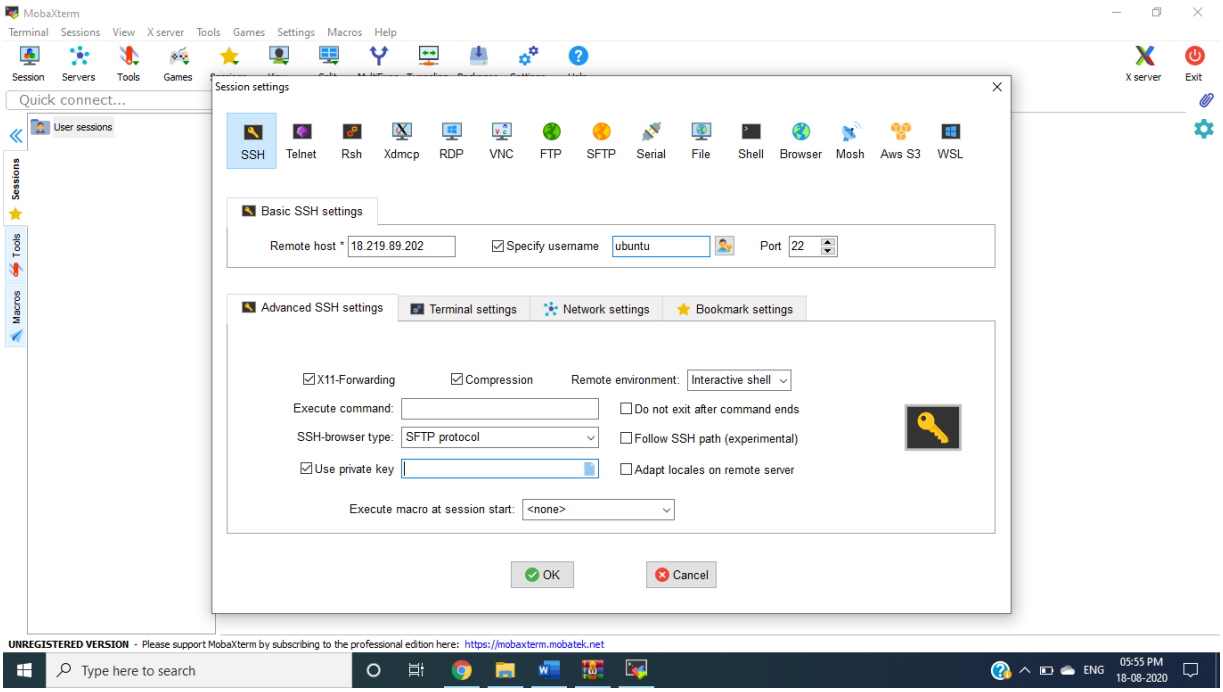
12. Open MobaXterm.exe -> click on New Session



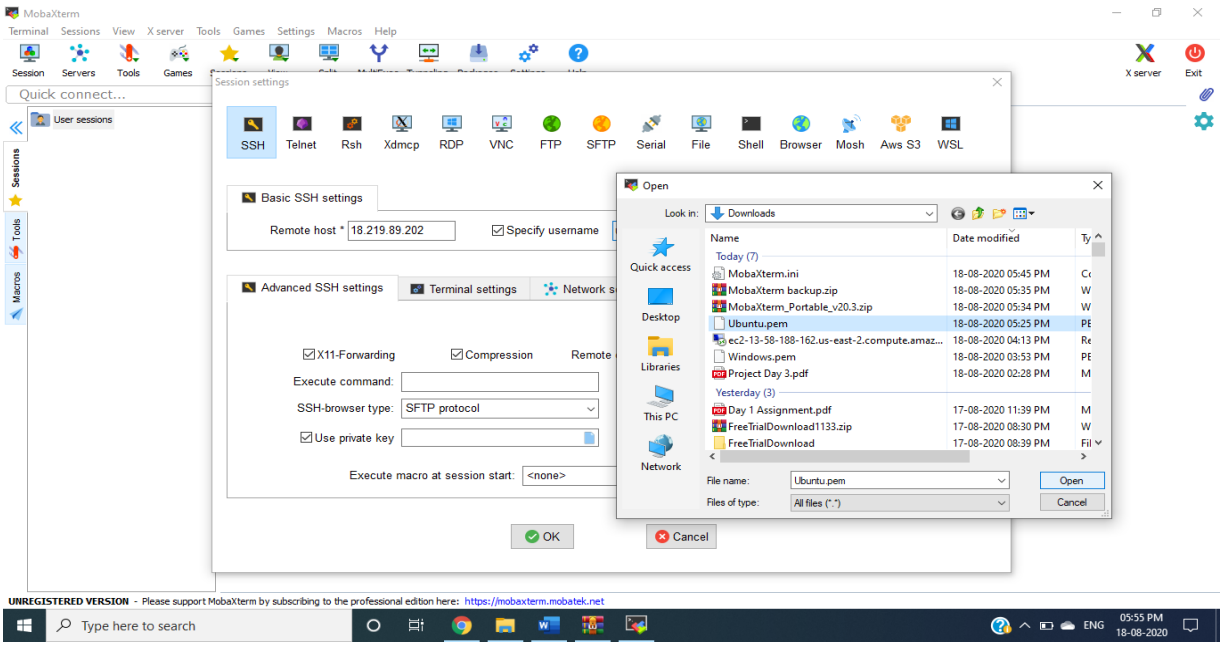
13. Select SSH and enter the Remote host and enter the username

Remote host : 18.219.89.202

Username : ubuntu

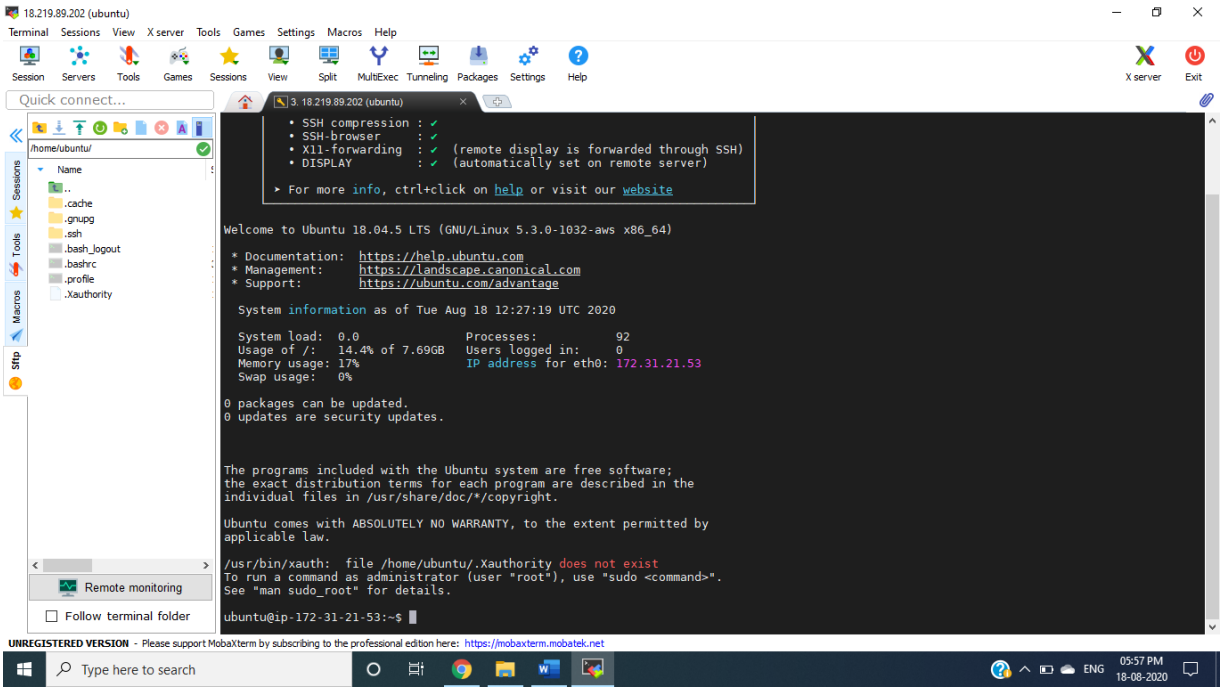


14.And upload your keypair .pem in private key block which we downloaded i.e Ubuntu.pem and press OK

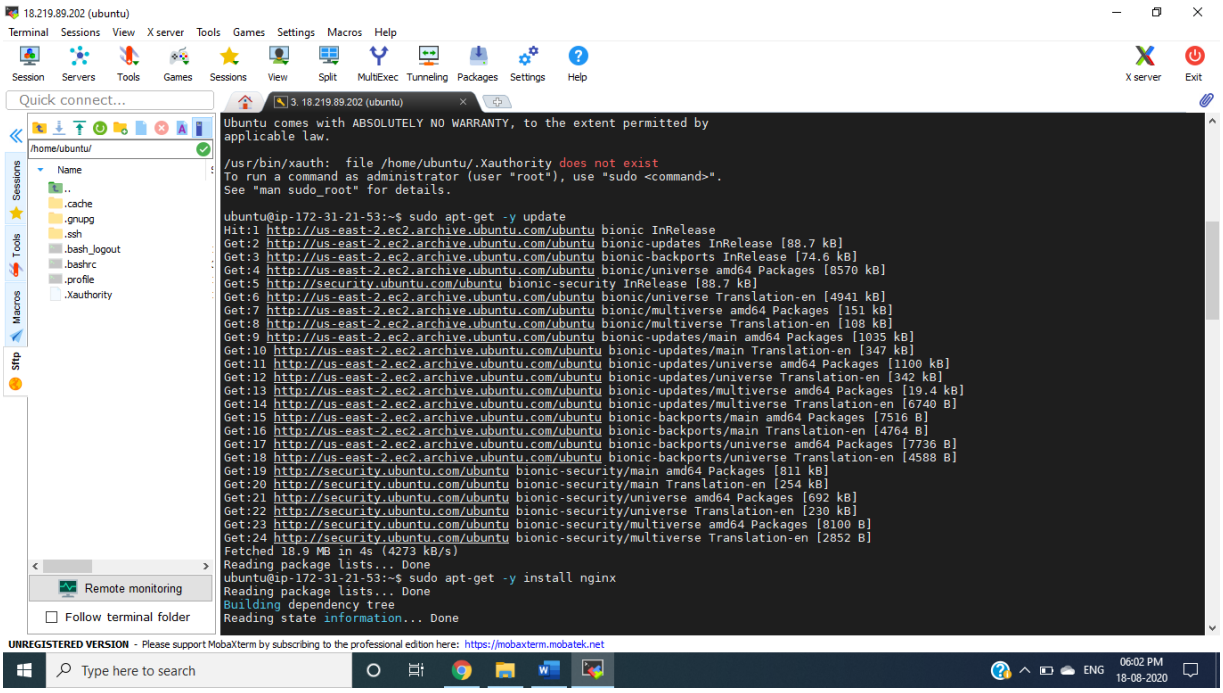


15. After clicking OK an Ubuntu Bash will appear in that run the following two commands given below one at a time:

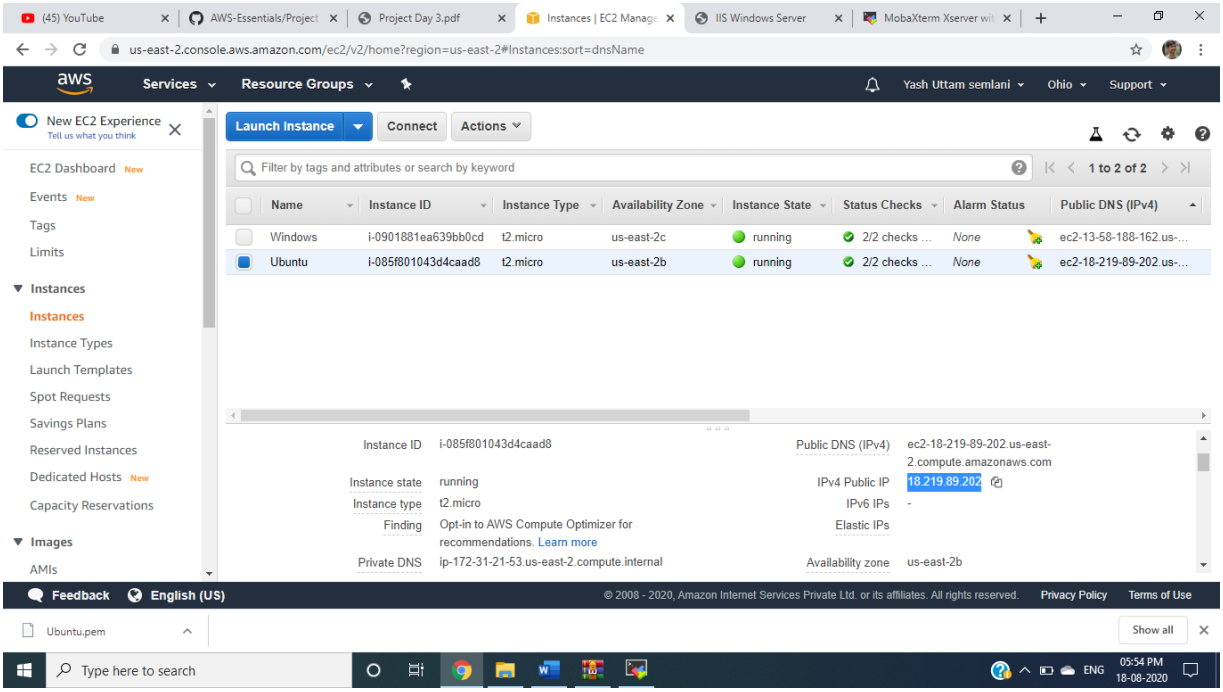
sudo apt-get -y update



sudo apt-get -y install nginx



16. After all the nginx packages are installed. Copy the Public IP Address of the Ubuntu instance.



17.Paste the copied ip address into the browser and ngnix web server is deployed and viewed