What IS EC2

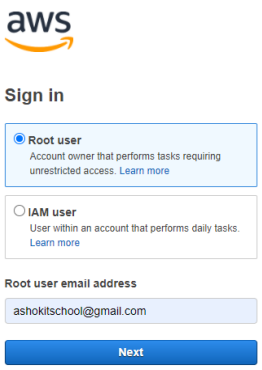
- **EC2** stands for **Amazon Elastic Compute Cloud**
- Amazon EC2 is most well-known services, offers businesses the ability to run applications on the public cloud
- EC2 provides resizable computing capacity in the cloud so developers can enjoy great scalability for building applications
- Instead of purchasing your own hardware and connecting it to a network, Amazon gives you nearly unlimited virtual machines to run your applications while they take care of the hardware.
- AWS supports multiple operating systems from Windows to many flavors of Linux etc. As a customer, you are also able to bring your own custom OS and run it on their platform.

IN OTHER WORDS, A custom rubber band that can stretch for building applications.

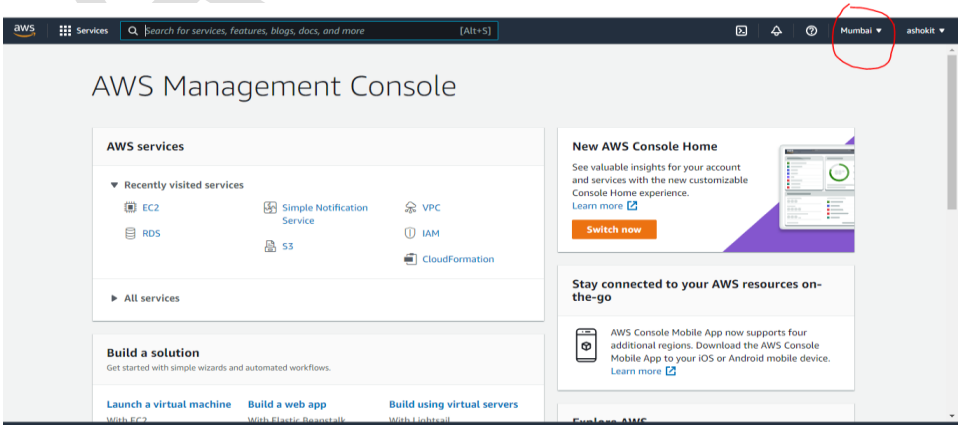
Launching Windows Machine Using AWS EC2

1) **Create Account in AWS (** URL: https://portal.aws.amazon.com/billing/signup#/start)

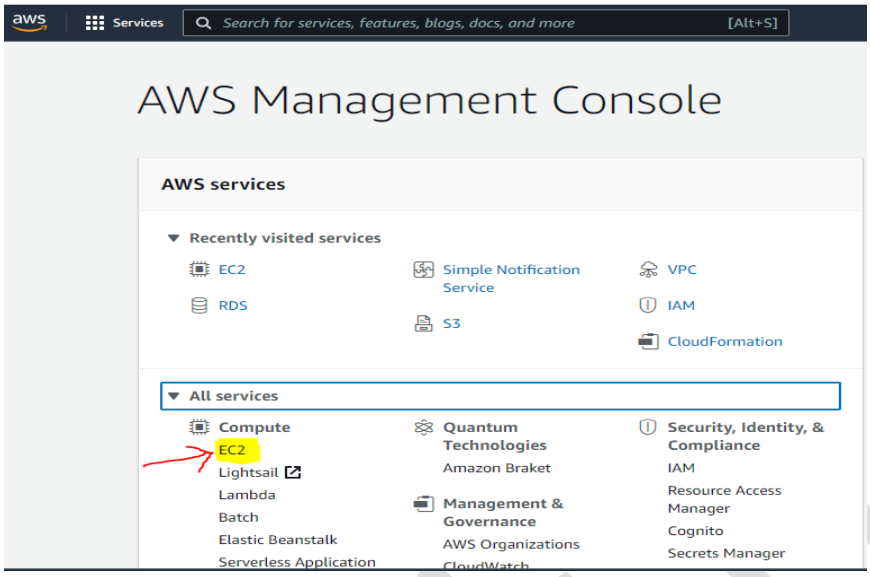
2) **Login into AWS Account using your credentials**



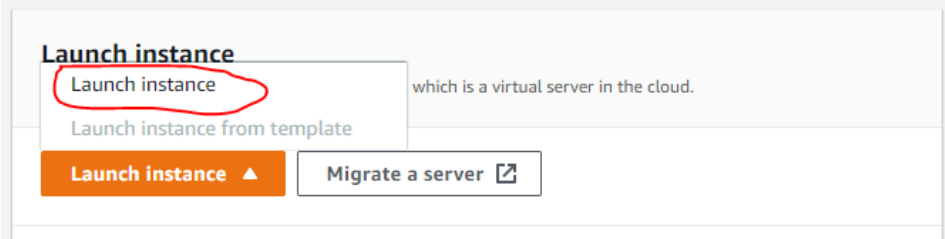
3) **Choose region which is near to you (For Me Asia Pacific - Mumbai)**



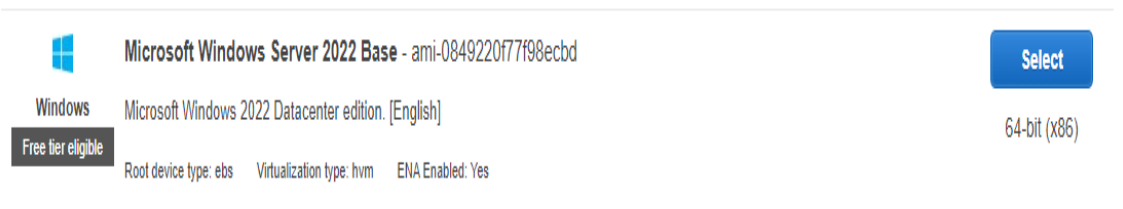
4) Go to services and Select EC2 and Click on Launch Instance



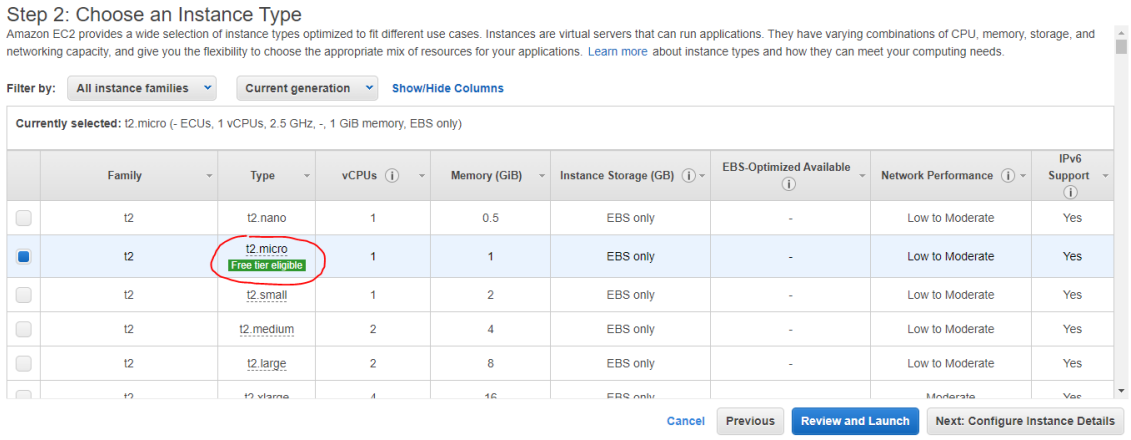
5) Click on Launch Instance



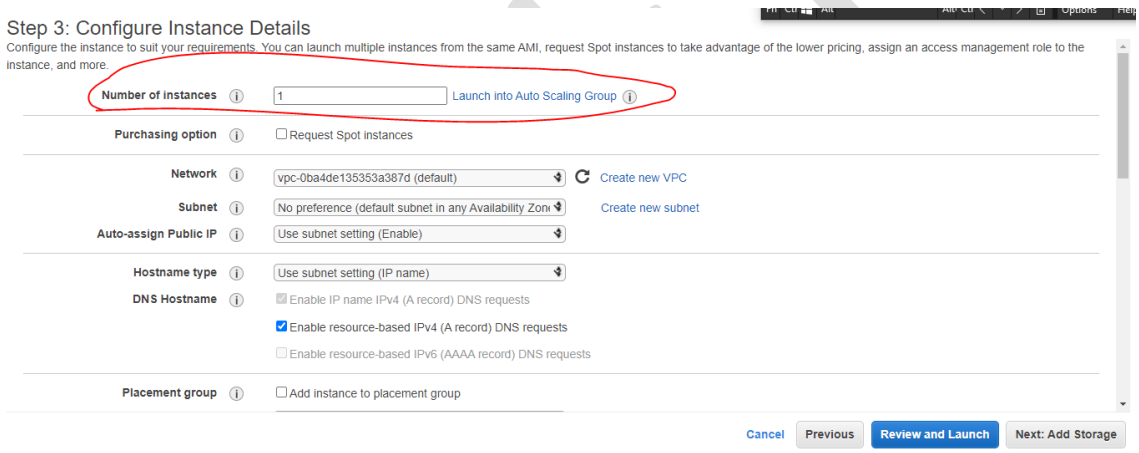
6) Choose an Amazon Machine Image (AMI) (Note: select free tier eligible)
Ex: Select Windows Image (Ex: Microsoft Windows Server 2022 Base)



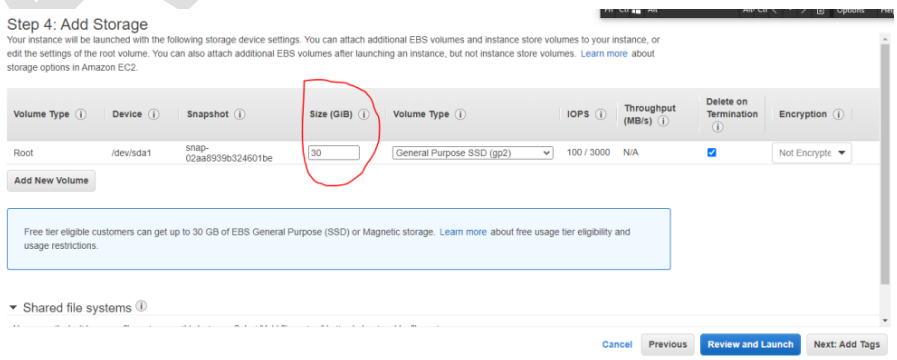
7) Select Instance Type (t2.micro and click on Next)



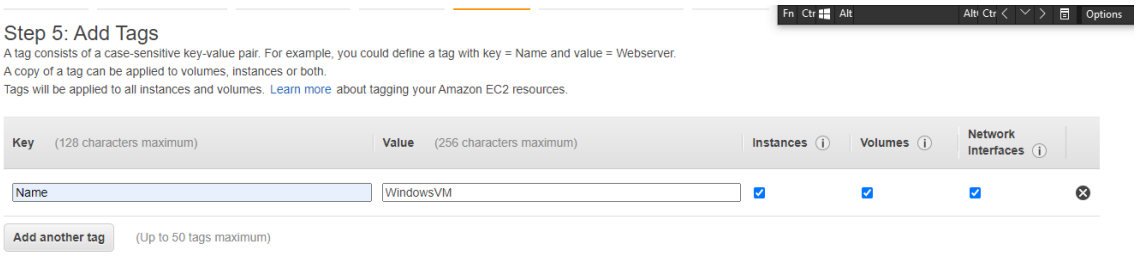
8) Configure Instance Details and Click on Next (Default value 1 instance)



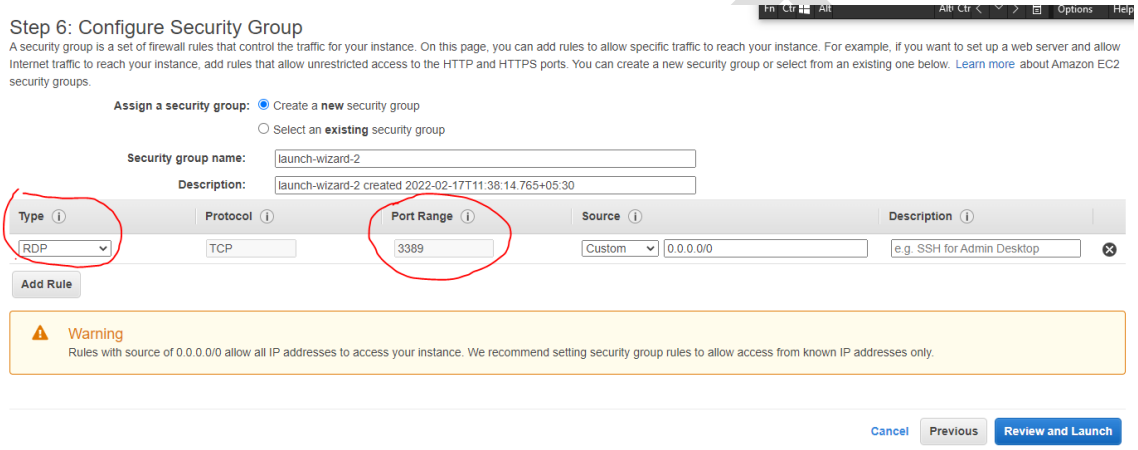
9) Add Storage and click on Next (Default 30)



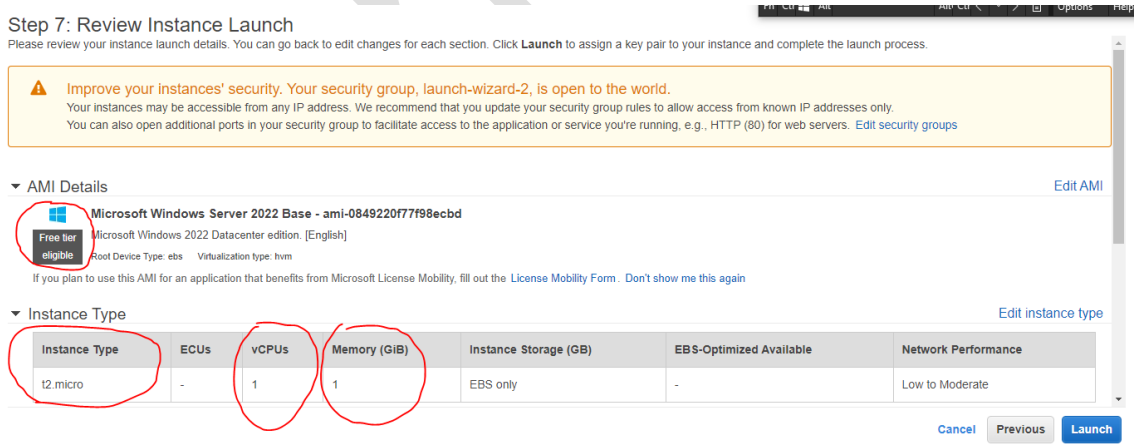
10) Add Tag and click on Next



11) Configure Security Group and Click on 'Review and Launch'

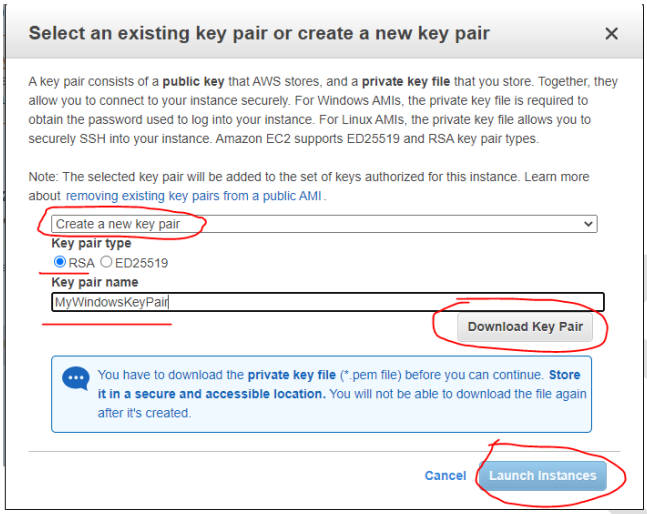


12) Review Instance Launch and click on Launch

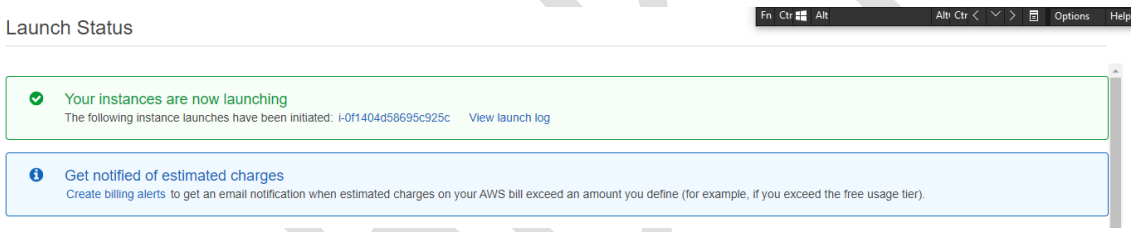


13) Select New Key Pair --> Choose Name --> Download Key Pair

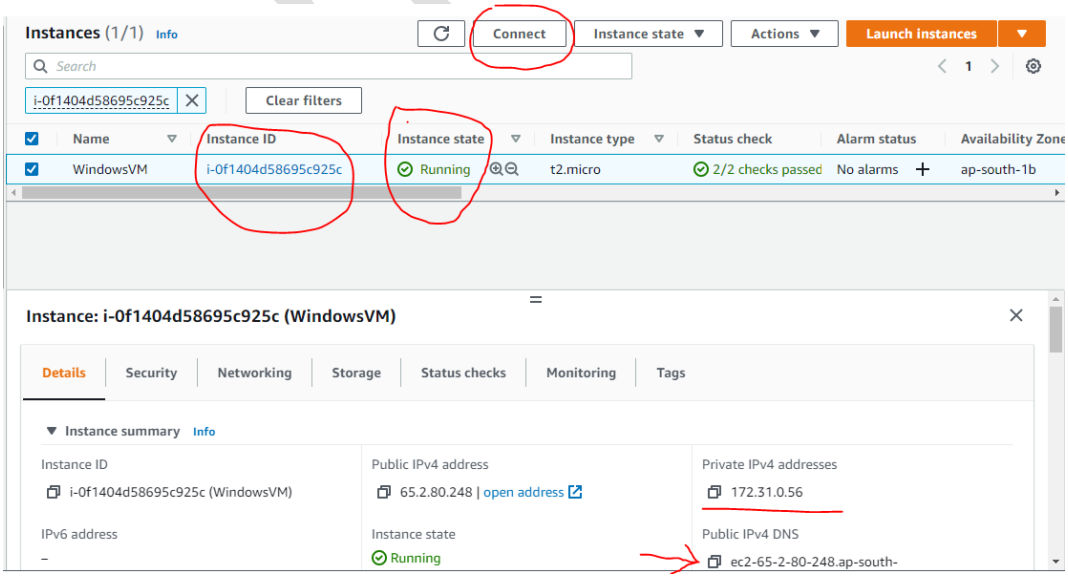
(Store that key-pair file because we need that file to connect to VM)



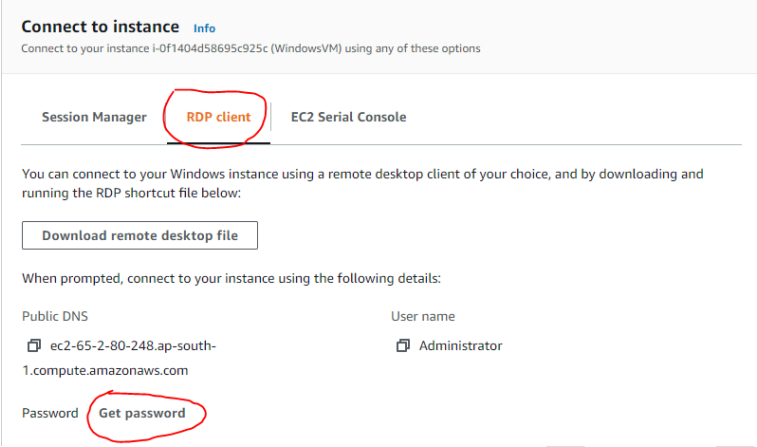
14) Once Instance launched you can see below message



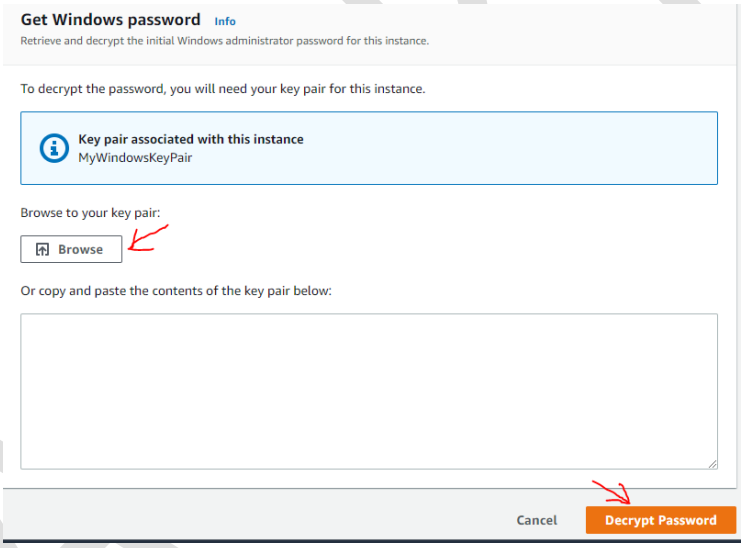
15) Go to EC2 Dashboard and see Instance Status



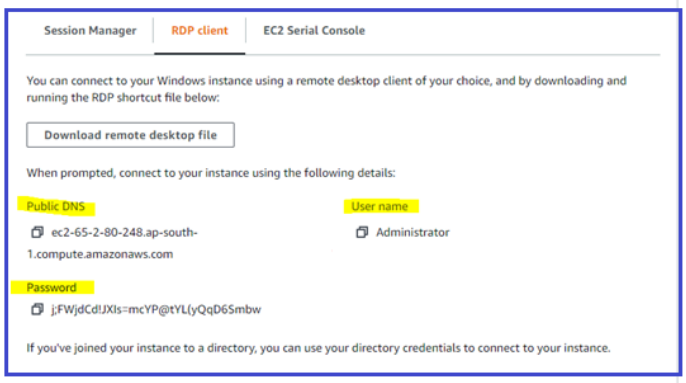
16) Select Instance and Click on Connect -> Go To RDP Client -> Click on 'Get Password'



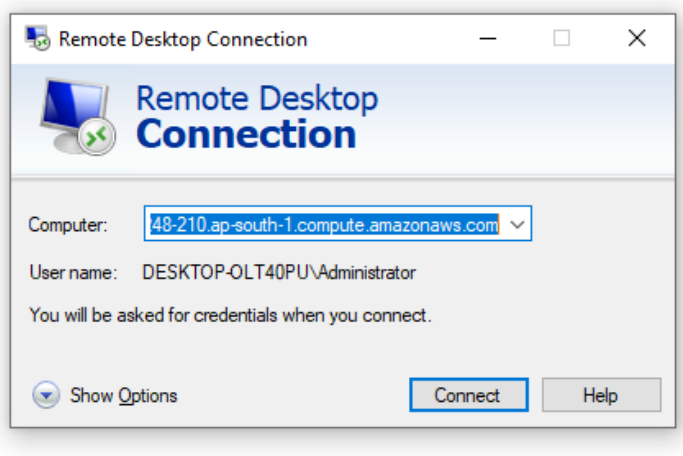
17) Click on Browse and Upload Key-Pair file which we have downloaded and Click on 'Decrypt Password'



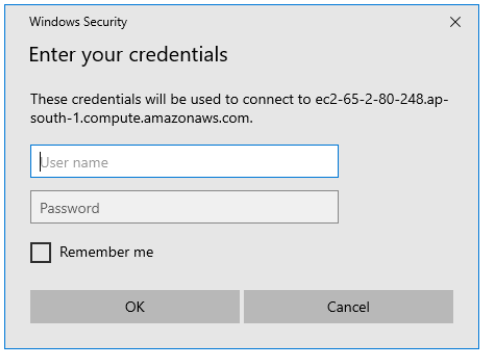
18) You can see Password like below (Copy Username, Password From this Screen)



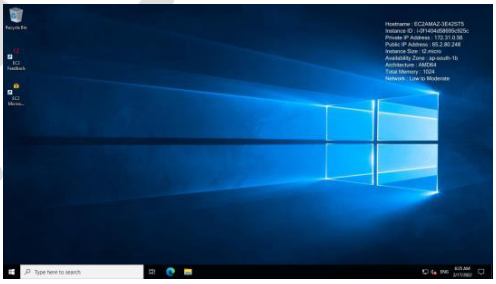
19) Open Remote Desktop Connection From your machine (From Start Menu) and Enter EC2 Instance DNS name like below and click on 'Connect' button



20) Enter EC2 instance Credentials in below screen and Click on 'Ok'



21) If you enter correct credentials then you can see below Windows Machine which is launched in AWS



22) You can copy some files from your local machine and paste in EC2 Machine (That's all)

23) Once you have practiced, you can terminate instance from EC2 Dashboard to avoid billing

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