How to connect AWS EC2 Instances

What is Amazon Web Services (AWS) ?

Amazon Web Services(AWS) is a cloud service from Amazon, which provides services in the form of building blocks, these building blocks can be used to create and deploy any type of application in the cloud.

Image Source: medium.com

Logging into AWS EC2

1. Download `course_EC2_01.pem` (linux/Mac users) or `course_EC2_01.ppk` (Windows users)- key file from your email and store it in our local machine.

2. Receive your aws public IPs DNS - before each Lab session starts, ie

   `ec2-3-86-225-192.compute-1.amazonaws.com`

Image Source: aws.com

Logging into AWS (Linux and Mac users)

3. Open Terminal
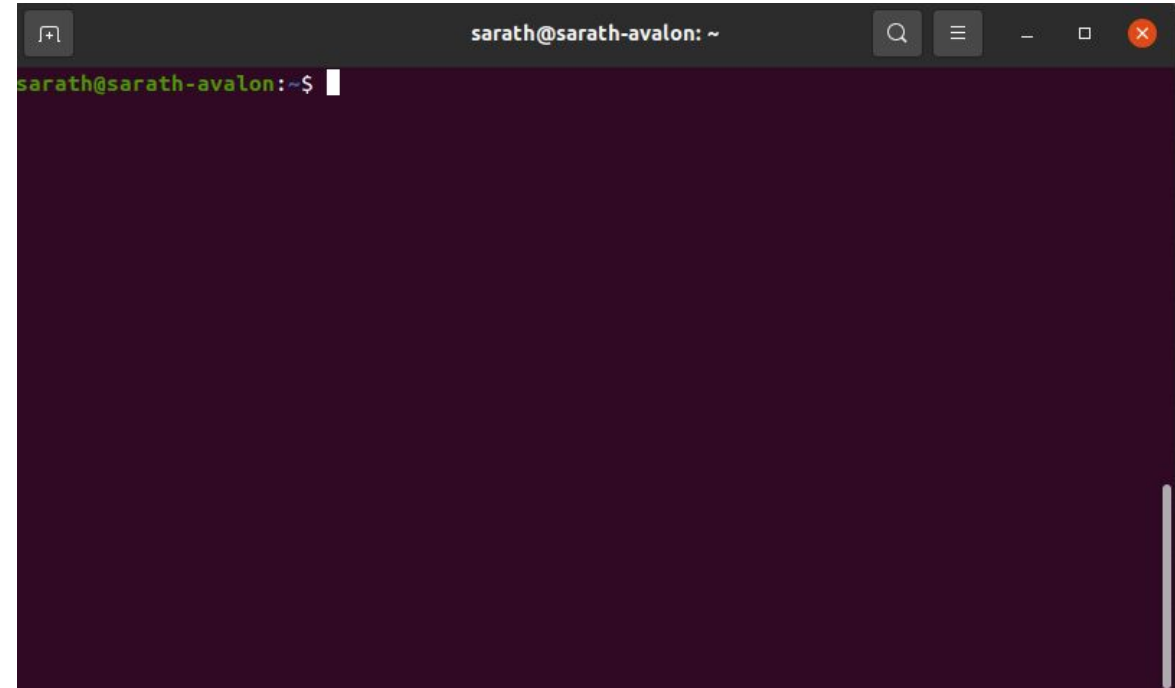
4. change permission to pem key

`chmod 400 Downloads/course_EC2_01.pem`

5. SSH (Secure Shell) connect to aws

EC2 instances i.e `ssh -i`
`Downloads/course_EC2_01.pem`
`ubuntu@ec2-3-86-225-192.compute-1.amazo`
`naws.com`

6. After logged into aws, then activate the working environment

`source ~/.bashrc`

SSH connection & Activate the env

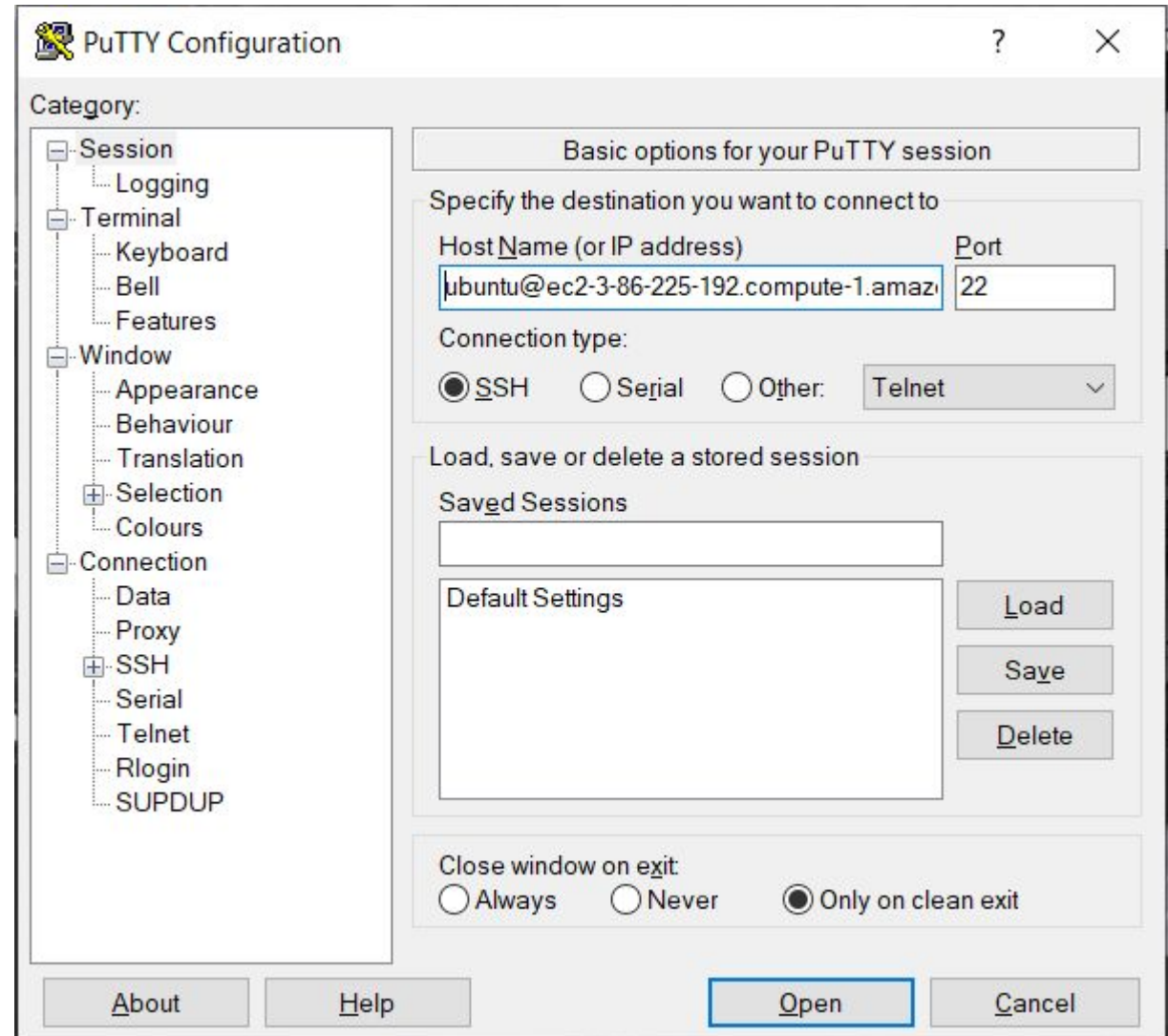# Logging into AWS (Windows users only)

3. Open Putty

4. Configure Putty

- Choose Session, In the Host Name box, type
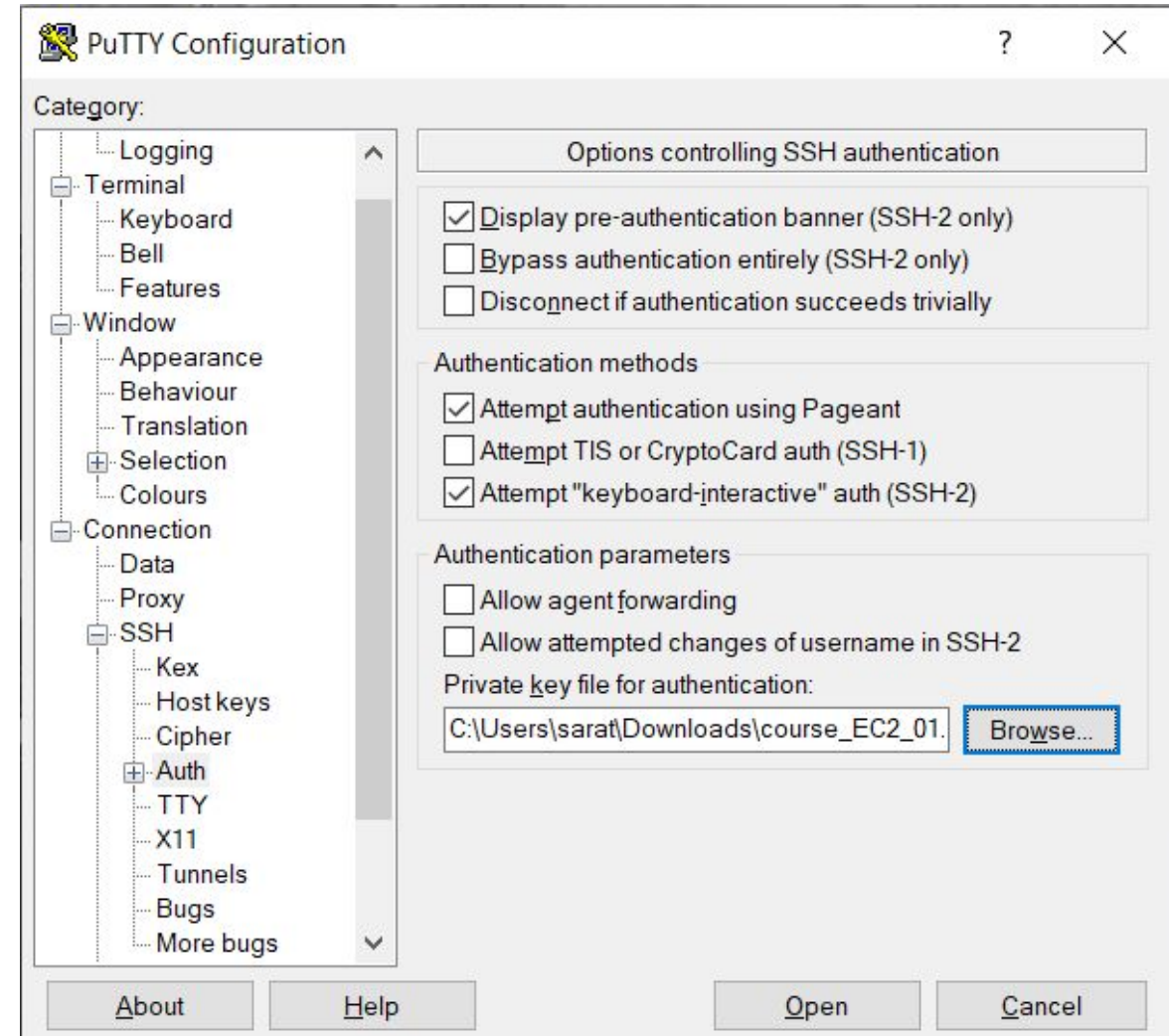
  my-instance-user-name@my-instance-public-dns-name

  i.e
  ubuntu@ec2-3-86-225-192.compute-1.amazonaws.com

- Ensure that the Port value is 22.
- Under Connection type, select SSH.

Logging into AWS (Windows users only)

- Expand SSH and Select Auth

- Browse the ppk file *course_EC2_01.ppk*

- Click open

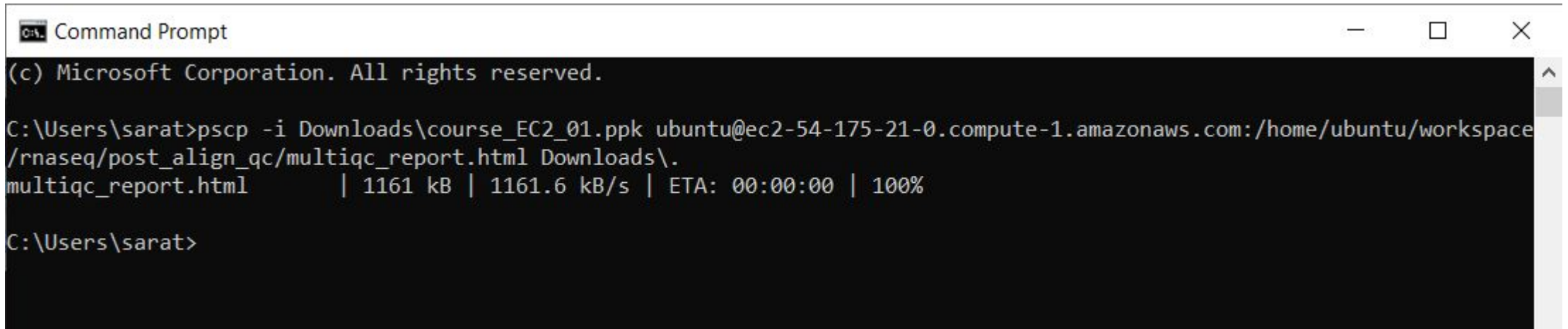- There will be a pop-up, click Accept

Logging into AWS (Windows users only)

Transfer files from AWS server to your local machine

Use pscp, for windows users.