1. Creating Ubuntu EC2 instance :

Services -> EC2 -> Create Instance – Launch Instance -> Select **Ubuntu Server 14.04 LTS from the list.** Edit configuration details and download the pem key. Launch the instance.

1. After the instance has been launched, we need a way to access it using SSH. On Windows, Putty can be used to SSH into the virtual machine.

You need to convert the “pem” file format to “ppk” (which is Putty’s format) to log into the server. The putty package includes Putty Gen which can be used for this conversion.

Steps:

* Open Putty Gen
* Click on Load to load an existing private key file. This is the key file that was downloaded while launching the instance
* Change to “All Files” while selecting the file (Putty defaults to ppk files only)
* Select the file, once it is loaded, click on “Save Private Key”. Enter a passphrase (optional). The file will be then saved in “.ppk” format

Once we have the ppk file, we can connect to the host using Putty. The hostname can be found on the AWS page under Services -> EC2 -> Instances. Select the desired instance , click on Actions -> Connect. This contains details for connecting to the instance. The hostname is something like *ec2-18-221-197-120.us-east-2.compute.amazonaws.com.* The username would be Ubuntu.

Open Putty, enter the Hostname. Under SSH – Go to Auth and upload the private key file, Go to data and enter the auto-login username as “Ubuntu”. Now Click on Open. This will open a new terminal which is connected to the EC2 instance

1. Installing MongoDB 3.2

- Follow the steps on the official Mongo DB page <https://docs.mongodb.com/v3.2/tutorial/install-mongodb-on-ubuntu/>

1. Install Node JS

Follow instructions on <https://github.com/nodesource/distributions> for the specific version you want to install

1. Install Git client

sudo apt install git

1. Install Python

sudo apt-get install python3.6