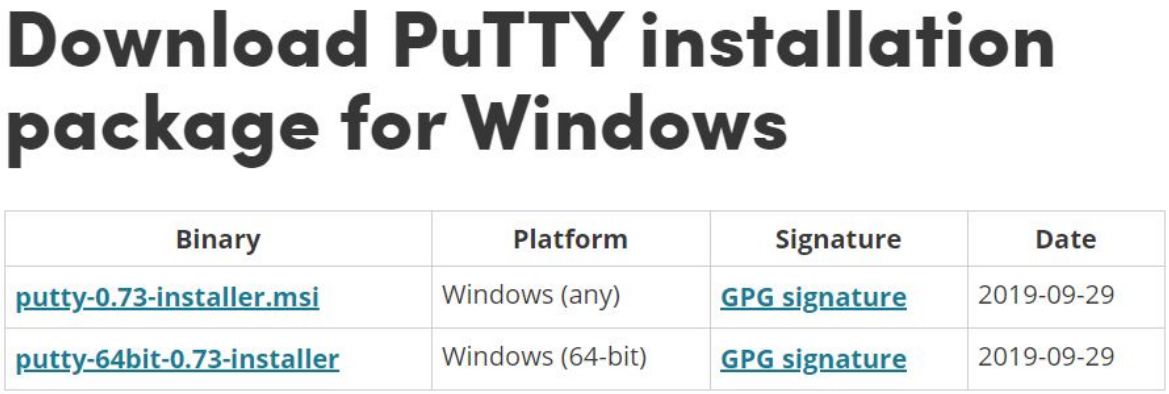
Connect to the EC2 Instance from your Windows machine

PuTTY Installation:

- For Windows users the required software are:
  - PuTTY
  - PuTTYgen

1. Download and install PuTTY and PuTTYgen from the link below.
   https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html
   or
   Click on the first link:
   PuTTY - Secure Download | SSH.COM - SSH Communications Security



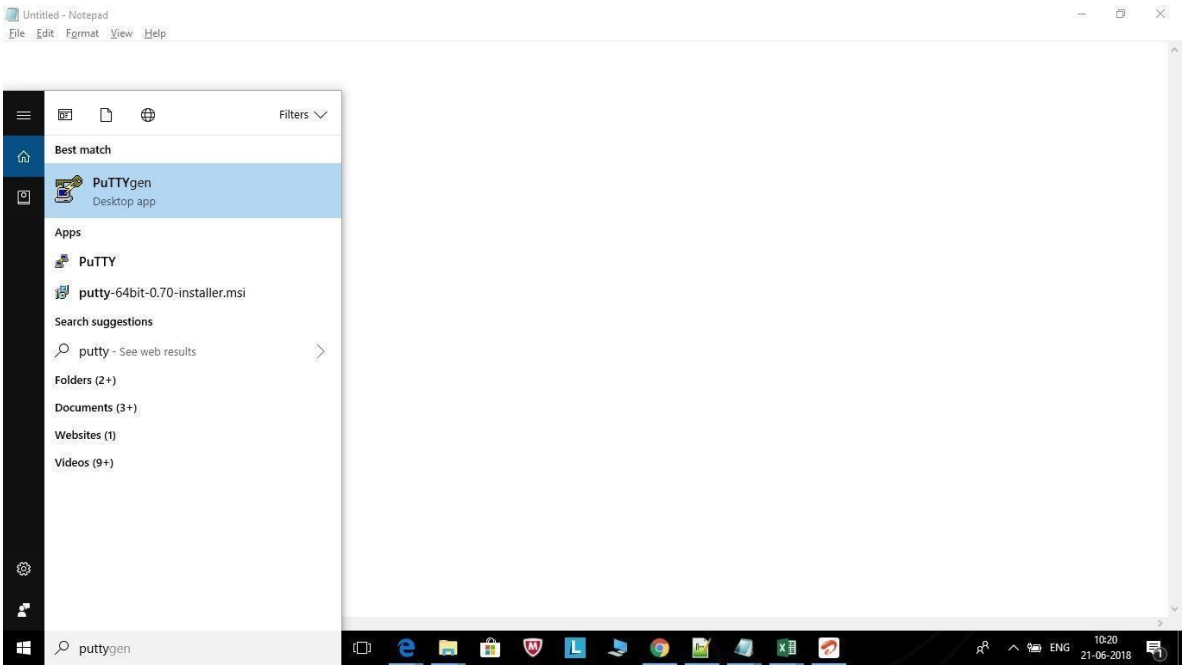
Download PuTTY installation package for Windows

Binary	Platform	Signature	Date
putty-0.73-installer.msi	Windows (any)	GPG signature	2019-09-29
putty-64bit-0.73-installer	Windows (64-bit)	GPG signature	2019-09-29

- If you have a 32-bit OS, then you need to install putty-0.73-installer.msi.
- If you have a 64-bit OS, then choose the latest 64-bit installer file.
- Select the link and it will download PuTTY automatically in your machine and run the software.

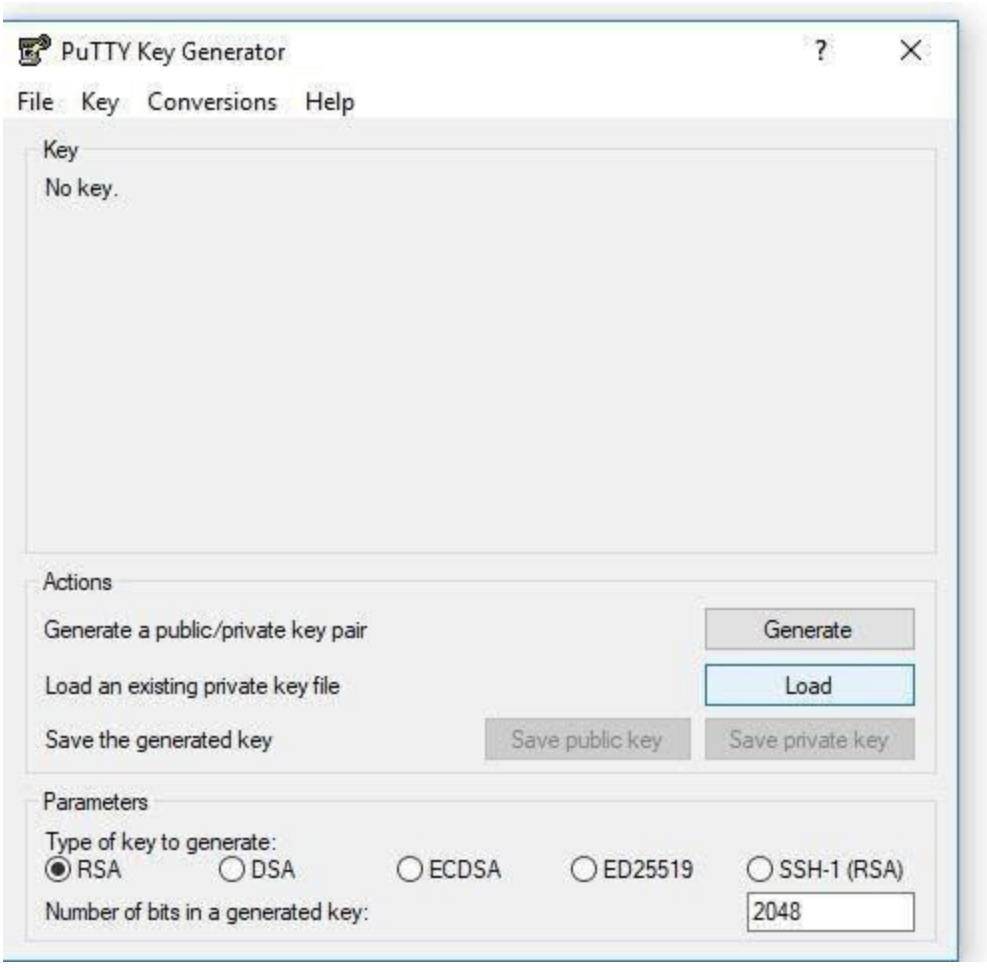
  Note: We have successfully installed both PuTTY and PuTTYgen

2. Now, go to the ‘Search’ tab on your OS and type ‘**putty**’; the results will show both **PuTTY** and **PuTTYgen**.

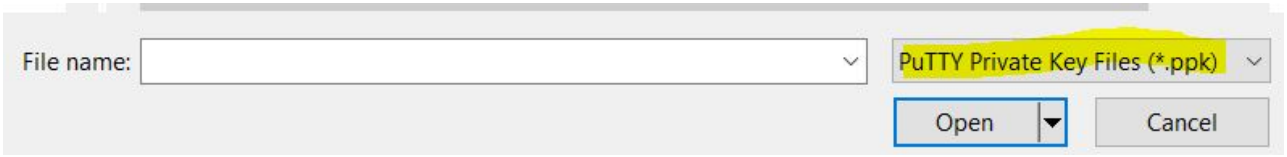


Accessing EC2 instance using PuTTY:

1. For Windows systems, you need to first convert your **.pem** file to a **.ppk** file using **PuTTYgen**. To do this, **open PuTTYgen** and click on **'Load'**.

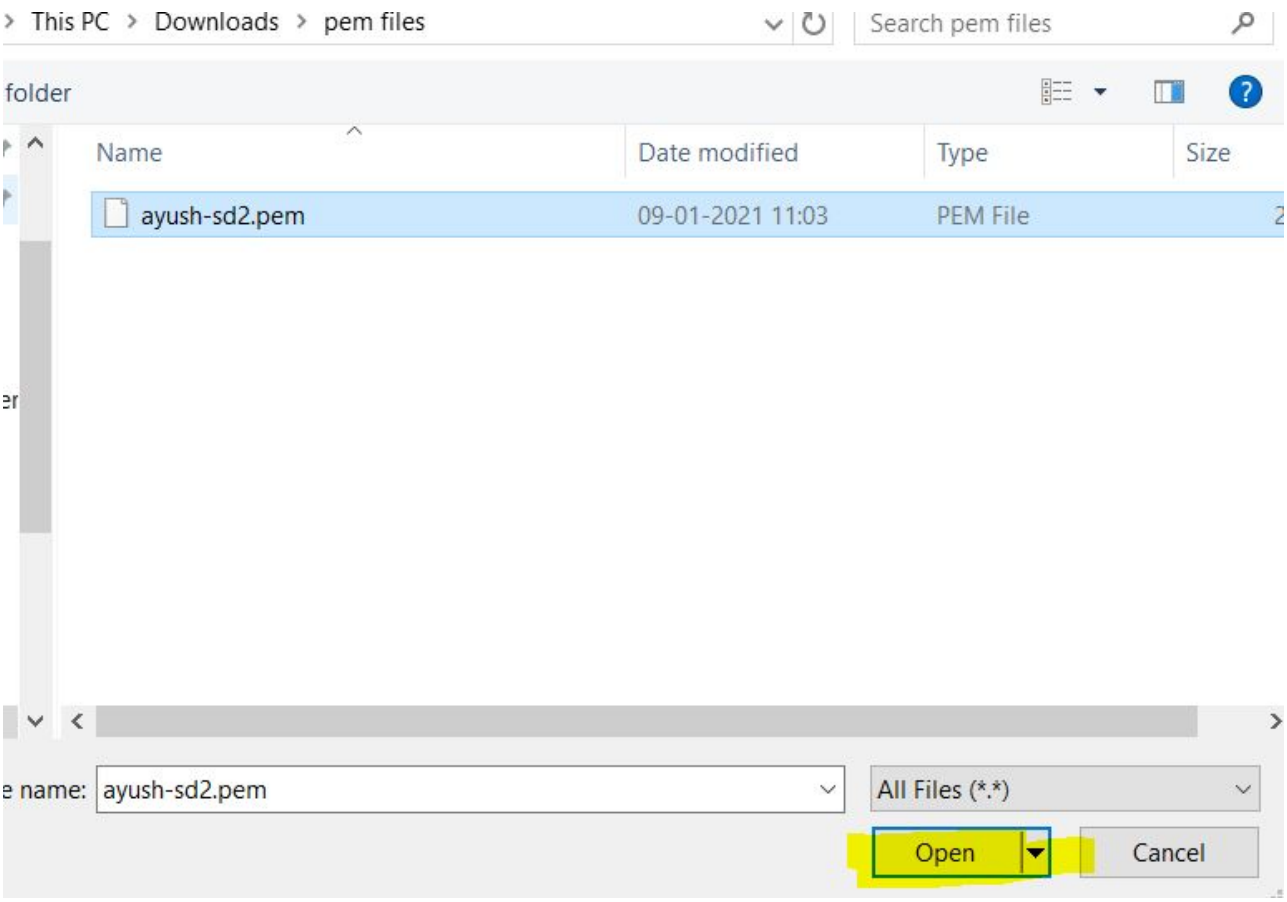


2. Locate the **.pem** file that you downloaded on your computer and select it. Do not forget to change the file type from **.ppk** to '**All files**' to locate your **.pem** file.

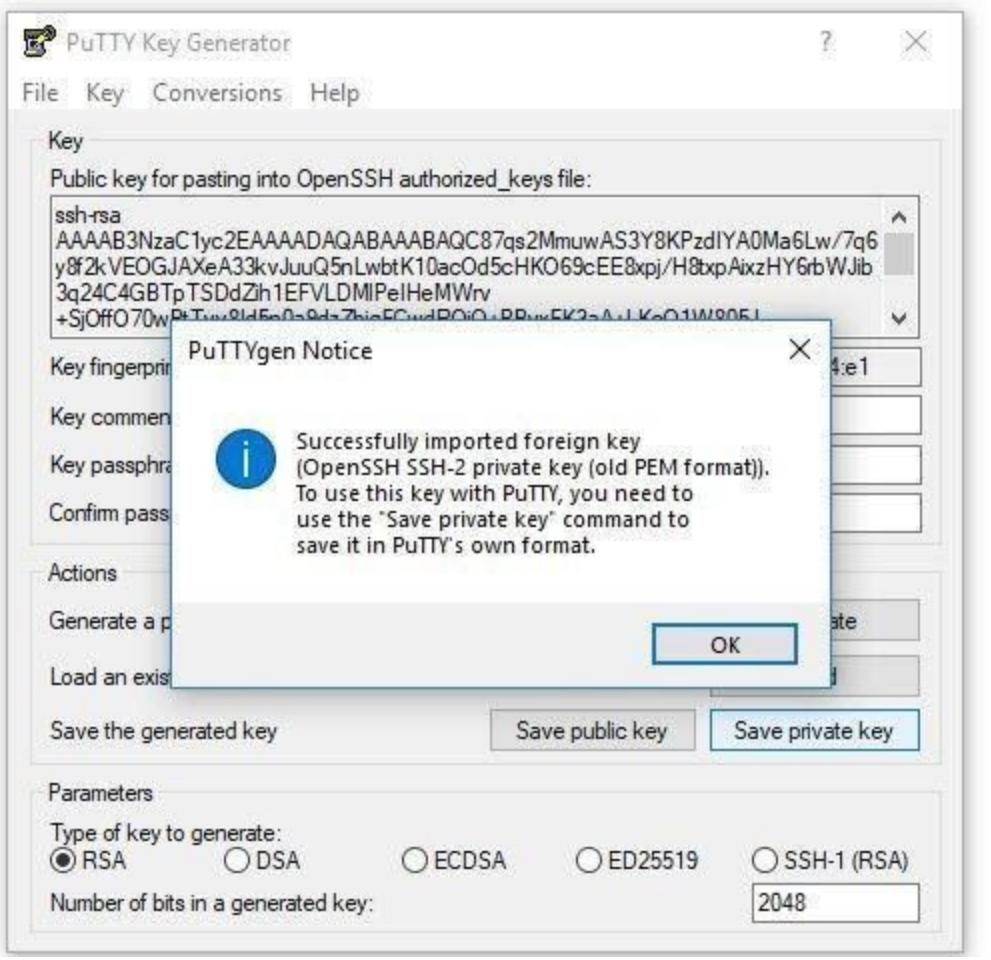


Make sure that the file type is **All files** as shown below.

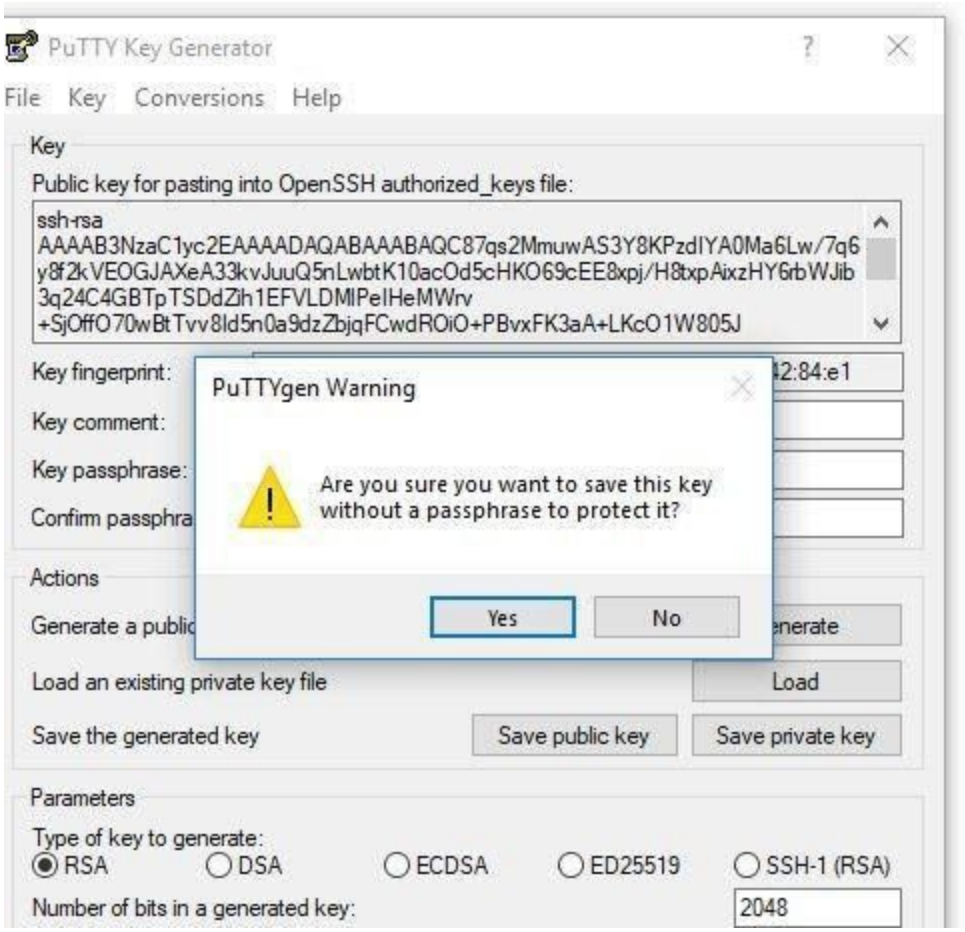
Next, select the **.pem file** and click on **Open**.



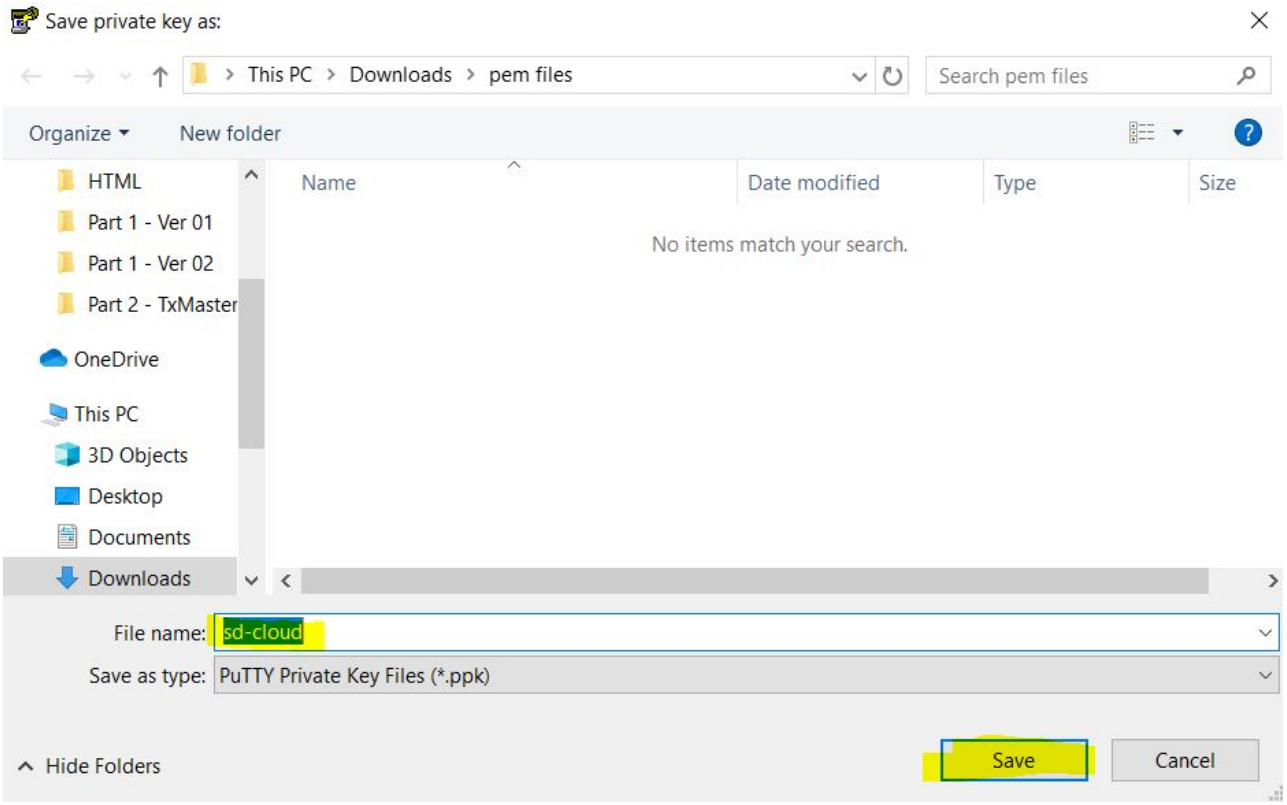
3. Click on **'Open**' and then click on **'Ok'** on the pop up that appears on the screen.



4. The **'Key Passphrase**' is entirely optional. If you want to set a Key Passphrase, then remember to store it in a safe place. This Key Passphrase will be required to connect the local machine to the EC2 instance. Click on '**Save private key'** and then click on **'Yes'**.



5. Save your **.ppk** file (**sd-cloud** in our case)



Then, close the **PuTTYgen**.

Note that this is a one time step and you do not need to convert your **.pem file** to a **.ppk file** each time you want to login to your EC2 instance.

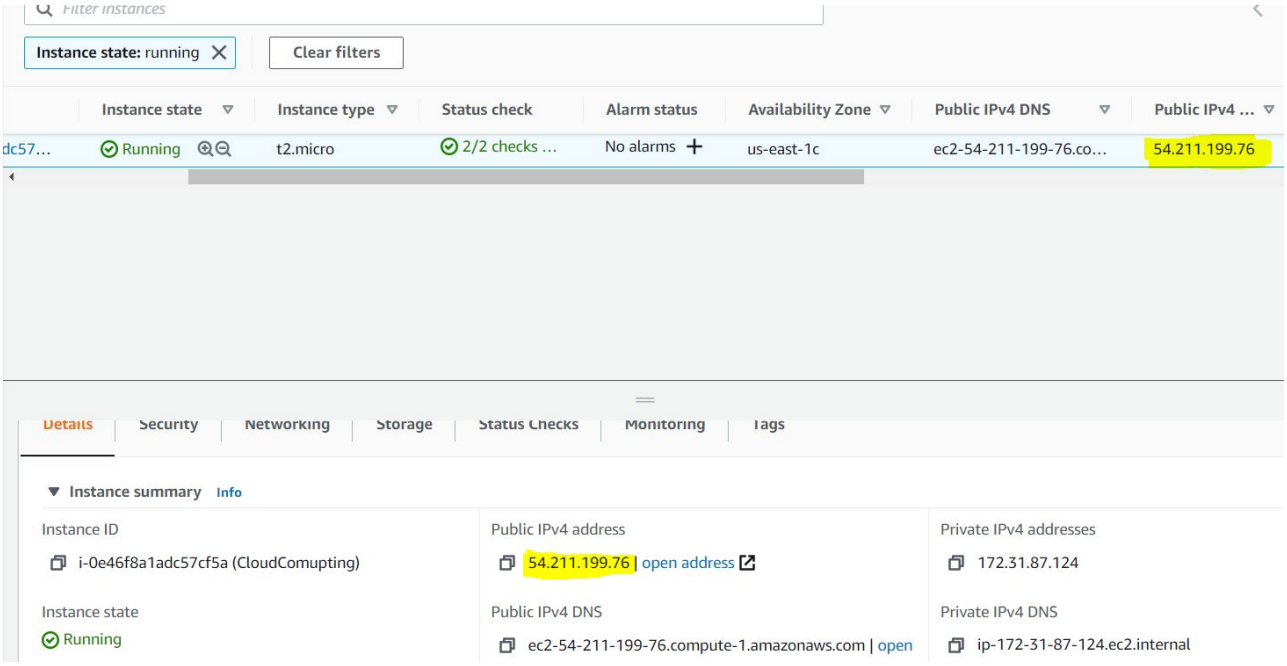
Next, let us now look at the steps involved to login to the EC2 instance by making use of PuTTY and the **.ppk file**.

NOTE:

- Make sure you have setup MyIP in your instance's inbound security group.

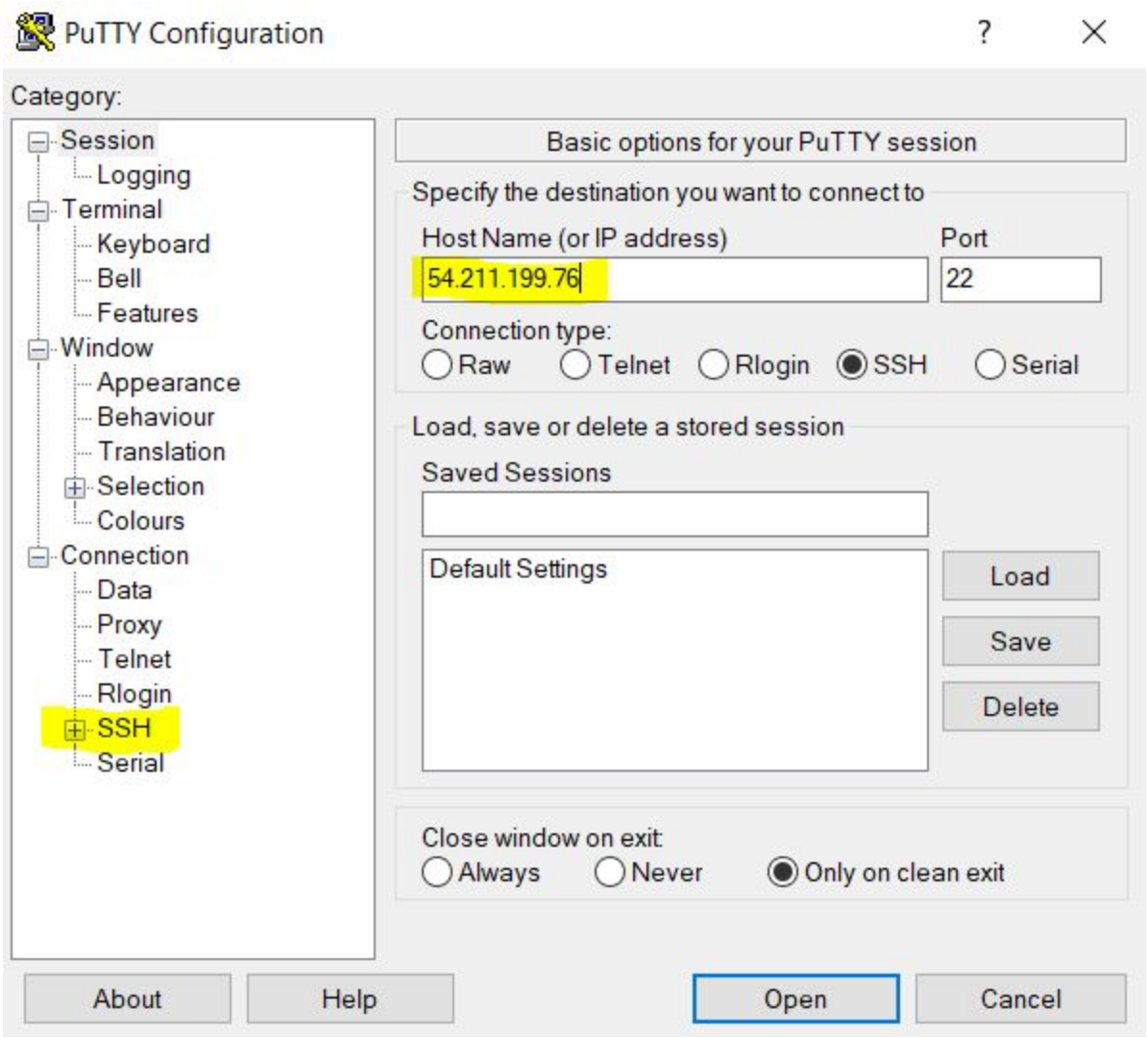
Logging in to EC2 Instance

1. Now, open your EC2 dashboard and select your instance. Copy your **'Public IPv4 address'** information as shown in the screenshot.

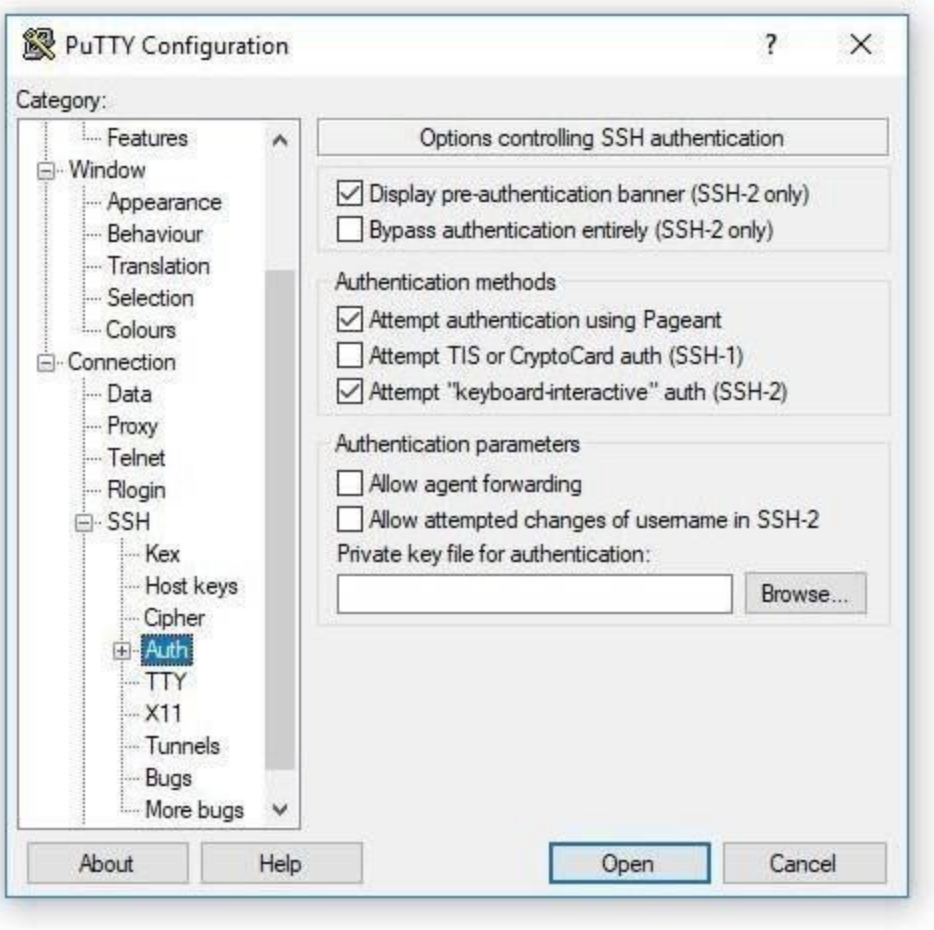


2. Open PuTTY:

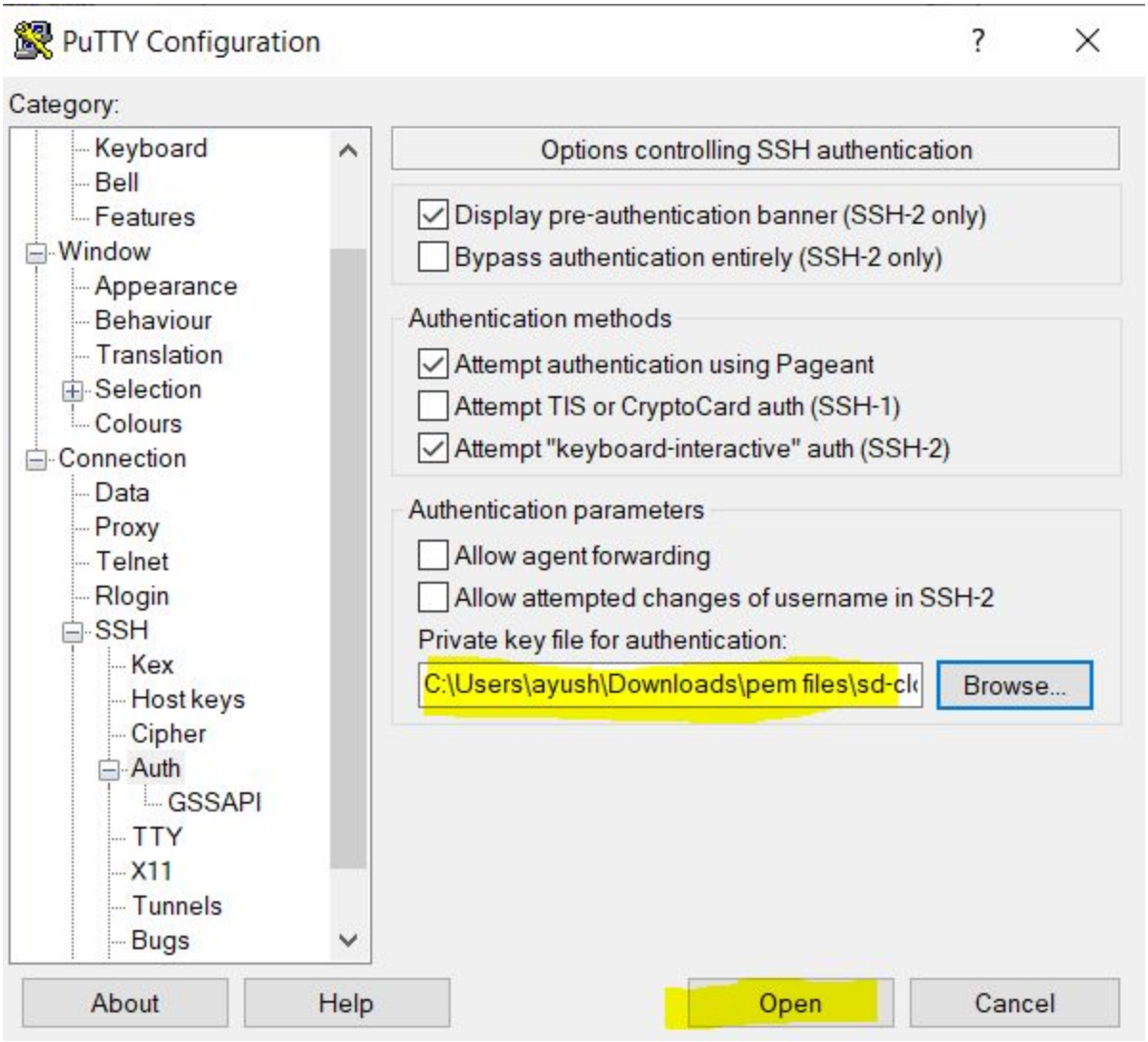
   Under the **'Host Name'** section, paste the **Public IPv4 address** of your instance that you just copied.



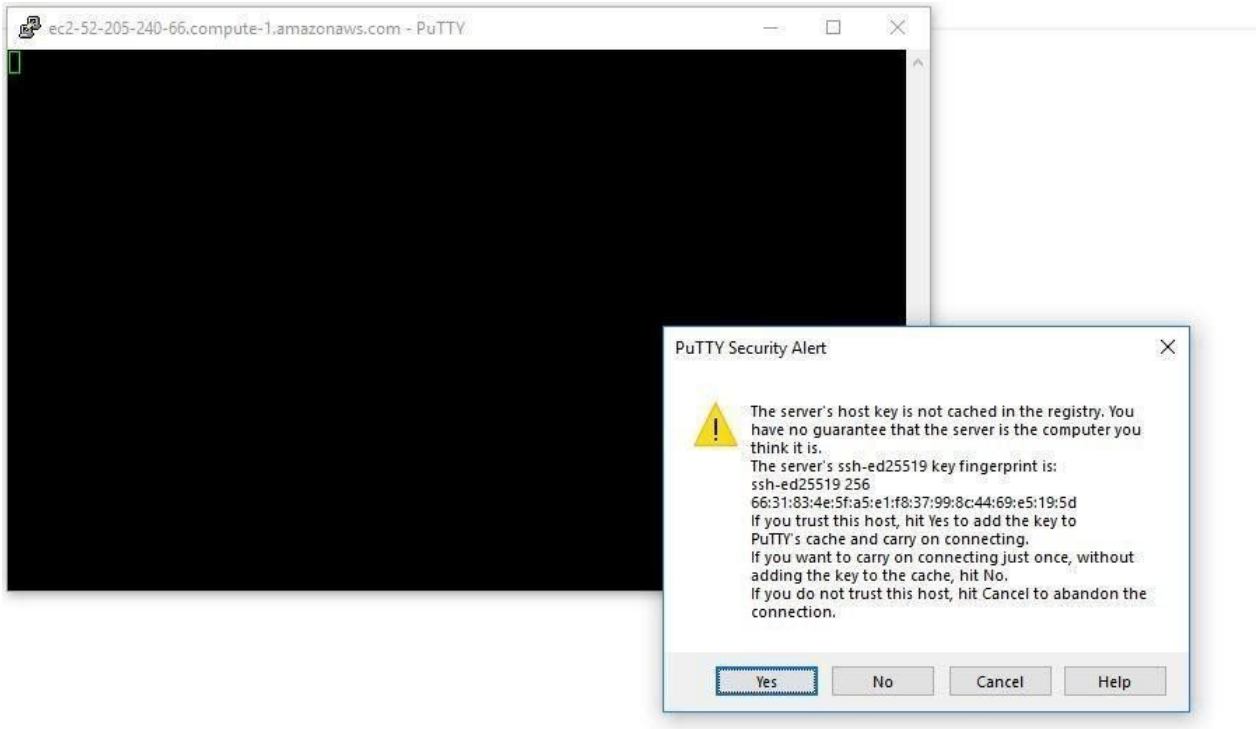
3. On the left-hand side panel, click on **'Connection'**. Then click on **'SSH'** followed by **'Auth'**. In the private key field, click on **'Browse'**.



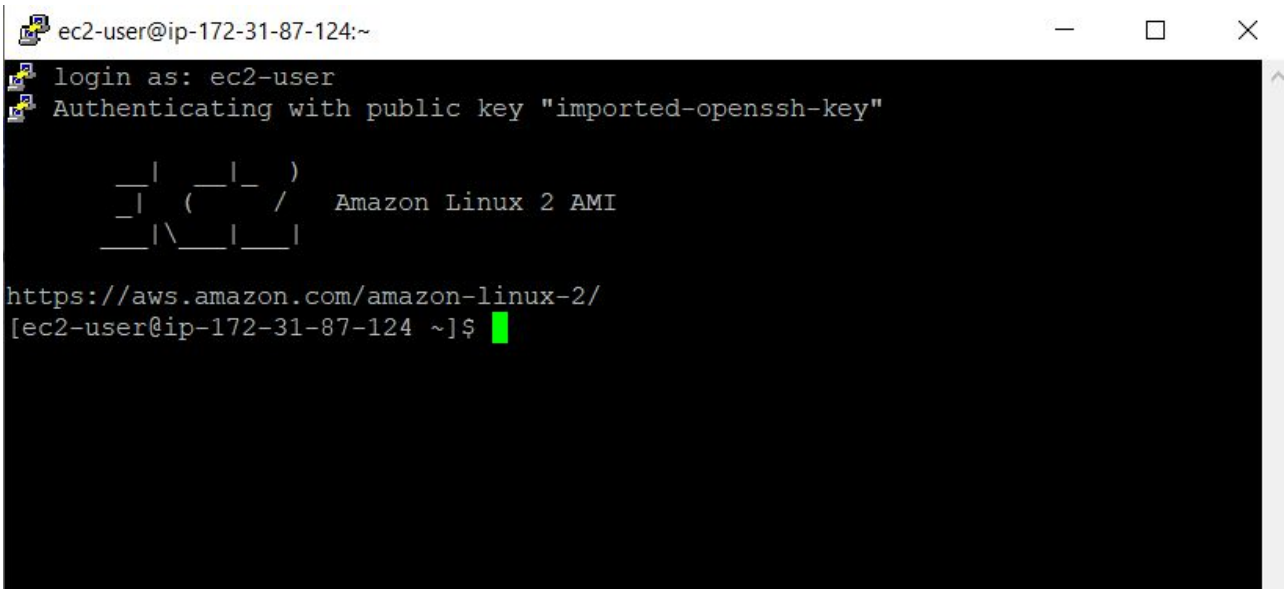
4. Select the .ppk file(**sd-cloud.ppk**) you generated using PuTTYgen and click on **'Open'**.



5. An alert will appear. Click on **'Yes'**.



6. When prompted on the terminal **Login as:** Enter the value **ec2-user** as shown in the image below.



7. **Now, your local machine has successfully established a connection with the EC2 Instance.**