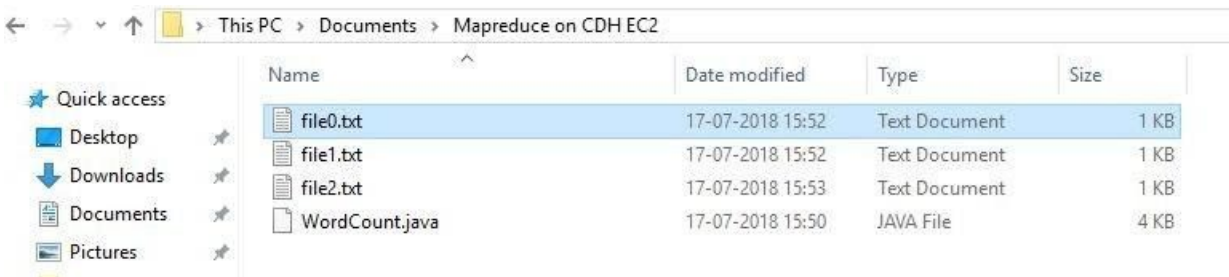


PREREQUISITES

- Please ensure that you have installed the following on your Windows machine:
 1. [WinSCP](#) tool
 2. [Notepad++](#)

Uploading the data from your local file system to the ec2 Instance on AWS

- Let's say you want to transfer the following files from your machine to the ec2 instance.
- You can store these files anywhere but then you will have to change the below steps accordingly.



- WinSCP is a tool to transfer a file from a Windows machine to a Linux machine (EC2 instance) and vice versa.

Before moving forward you need to install WinSCP on your machine. You can download WinSCP from [here](#).

- **Open WinSCP.**
- **Enter the following credentials**

Hostname: Provide the public IP from the EC2 dashboard.

Enter Username: **ec2-user**

Then, click on '**Advanced**'.

EC2 Dashboard

Launch Instance Connect Actions

Name: Mapreduce_saavan Add filter

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public IP
Mapreduce_saavan	i-0bfb974c76326fbd8	m4.xlarge	us-east-1a	running	2/2 checks...	None	ec2

Instance: i-0bfb974c76326fbd8 (Mapreduce_saavan) Public DNS: ec2-184-72-82-59.compute-1.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID: i-0bfb974c76326fbd8 Public DNS (IPv4): ec2-184-72-82-59.compute-1.amazonaws.com

Instance state: running IPv4 Public IP: 184.72.82.59

Login

New Site

Session

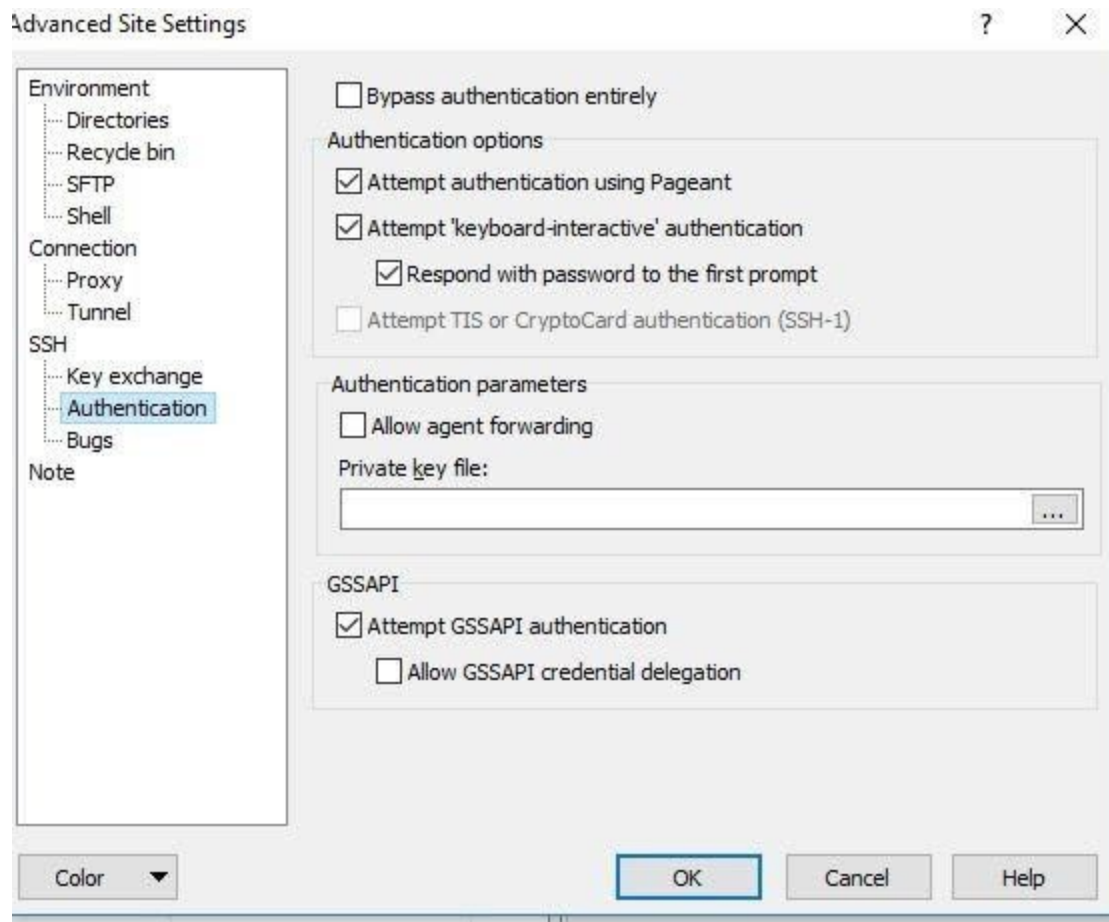
File protocol: SFTP

Host name: 184.72.82.59 Port number: 22

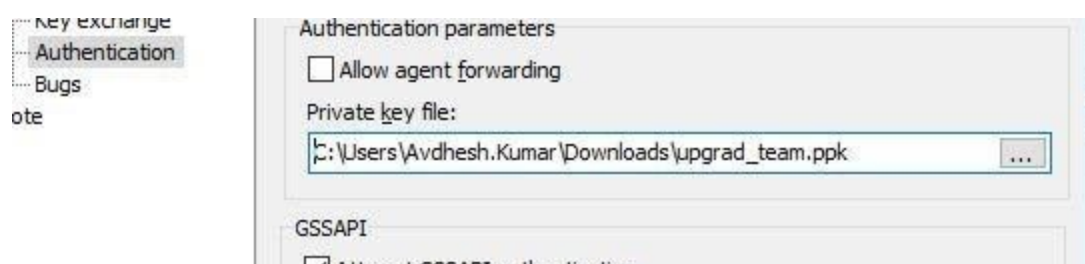
User name: ec2-user Password:

Save Advanced...

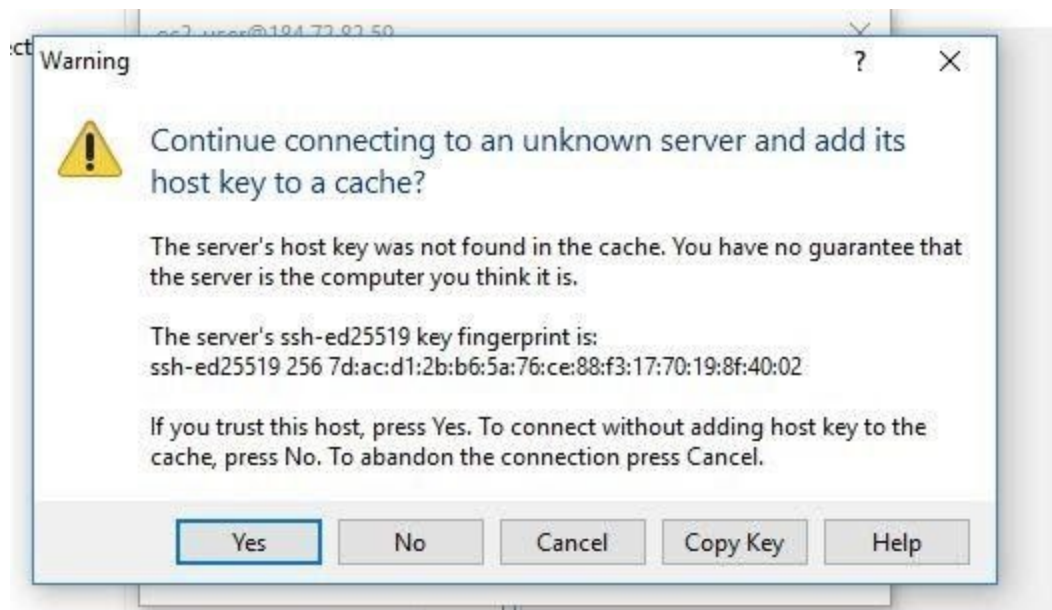
Tools Manage Login Close Help



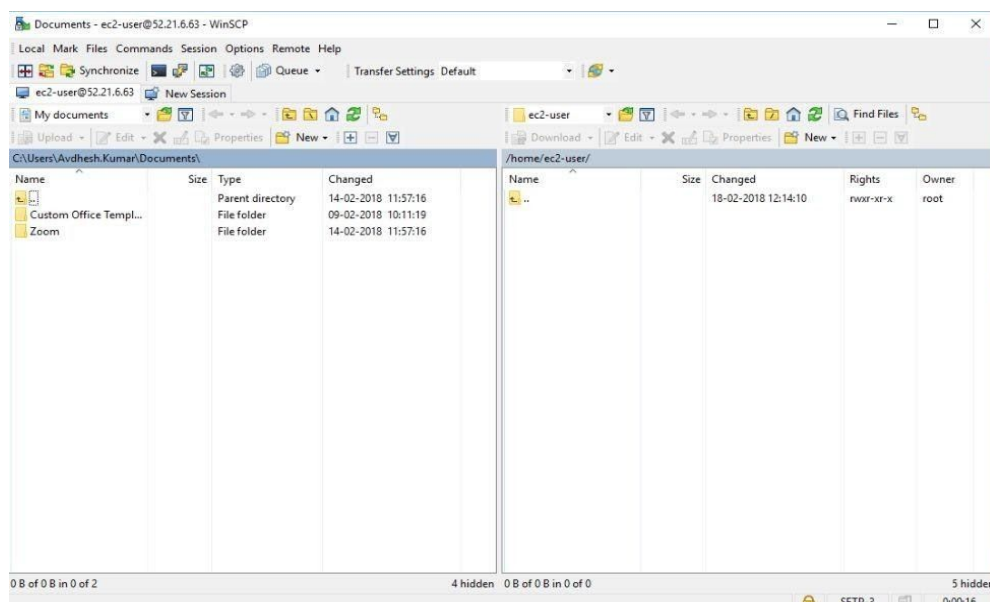
- After clicking on '**Authentication**', enter the path of your PPK file.



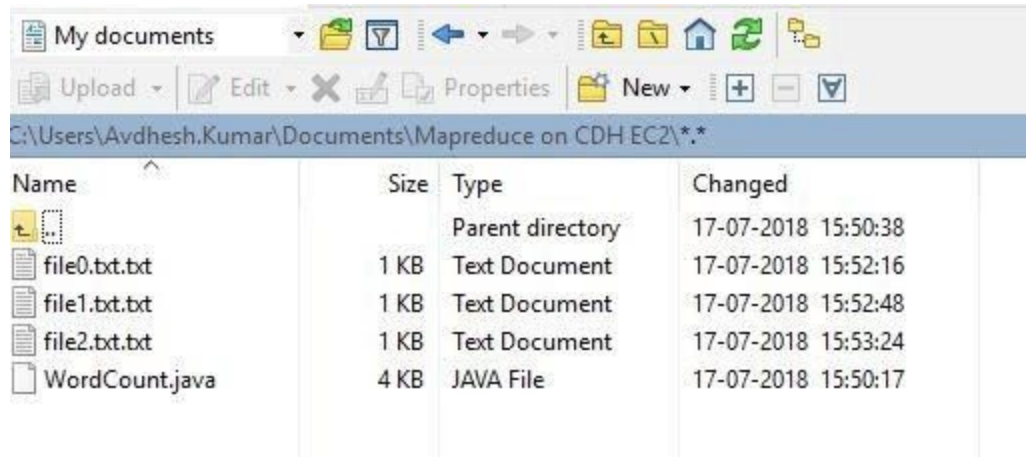
- Click on '**OK**' followed by '**Login**' after which a pop-up will appear. Click on '**Yes**'.



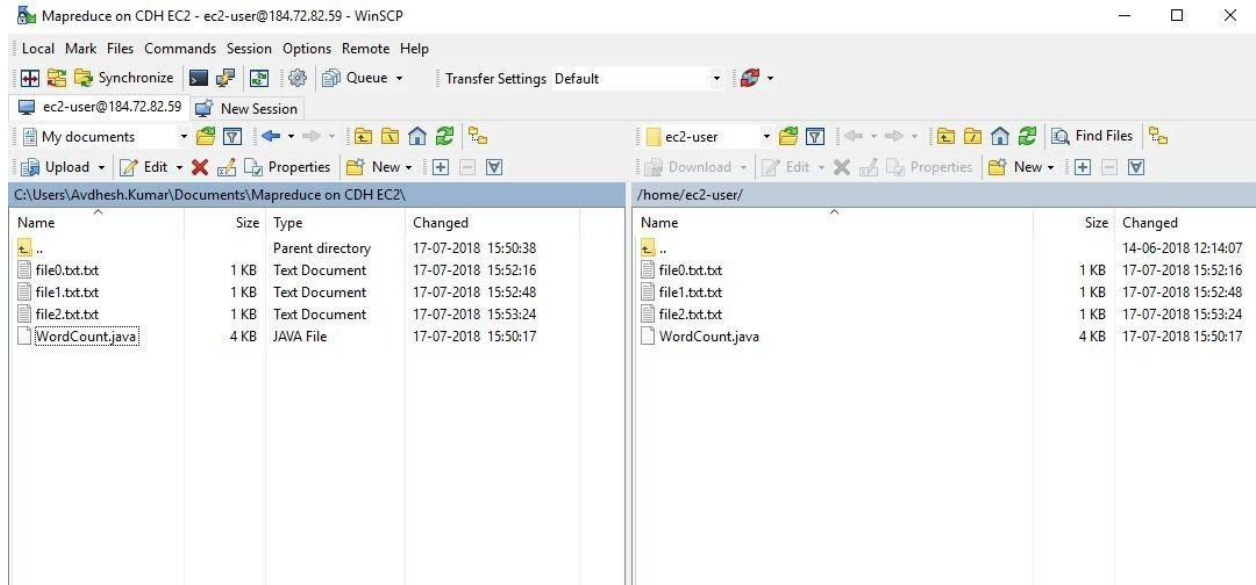
- The following screen appears.
 - Left side screen: your local machine (Windows, in our case)**
 - Right side screen: your linux machine (AWS EC2 instance)**



- On the left side, browse to the folder containing the 'WordCount.java' and input text files.



- Now drag the 'WordCount.java' and input text files on the left side and drop them to the right. Click on 'OK' on the prompt which appears.



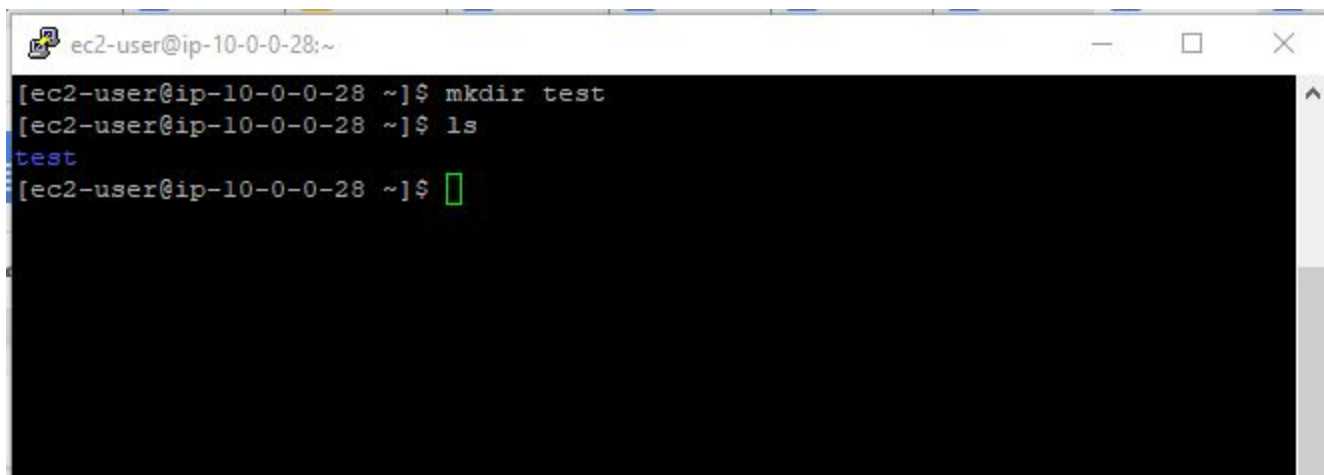
- We have now successfully copied the 'WordCount.java' and the input files - file0,file1,file2 from our local machine to our EC2 instance.
- Now, go back to AWS EC2 instance and verify if the files are uploaded or not using the 'ls' command.

```
ls
```

```
[ec2-user@ip-172-31-84-196 ~]$ ls  
file0.txt.txt  file1.txt.txt  file2.txt.txt  WordCount.java  
[ec2-user@ip-172-31-84-196 ~]$
```

Downloading the data from ec2 instance to the local file system.

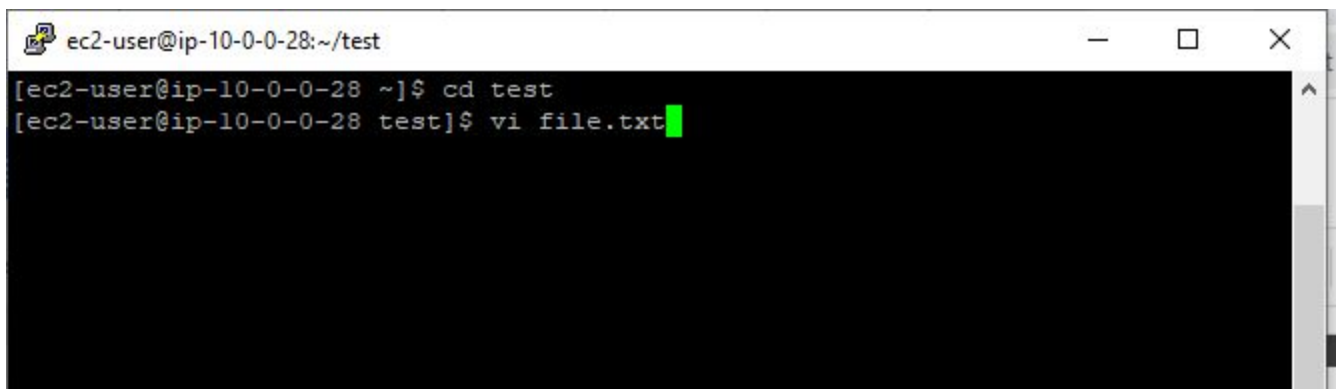
- Now let us transfer file from the Linux (EC2 instance to the local system i.e. Windows).
- Firstly let's create a file in the EC2 instance.
- Log into your EC2 instance using PuTTY. Now go the desired folder in which you want to create the file.
- Let's say we create a directory named "test" using the command "`mkdir test`". Use `ls` command to check it.



```
ec2-user@ip-10-0-0-28:~  
[ec2-user@ip-10-0-0-28 ~]$ mkdir test  
[ec2-user@ip-10-0-0-28 ~]$ ls  
test  
[ec2-user@ip-10-0-0-28 ~]$
```

- Now let's create a file named "file.txt" in this directory. For this use the following commands one by one:

```
cd test  
vi file.txt
```



```
ec2-user@ip-10-0-0-28:~/test  
[ec2-user@ip-10-0-0-28 ~]$ cd test  
[ec2-user@ip-10-0-0-28 test]$ vi file.txt
```

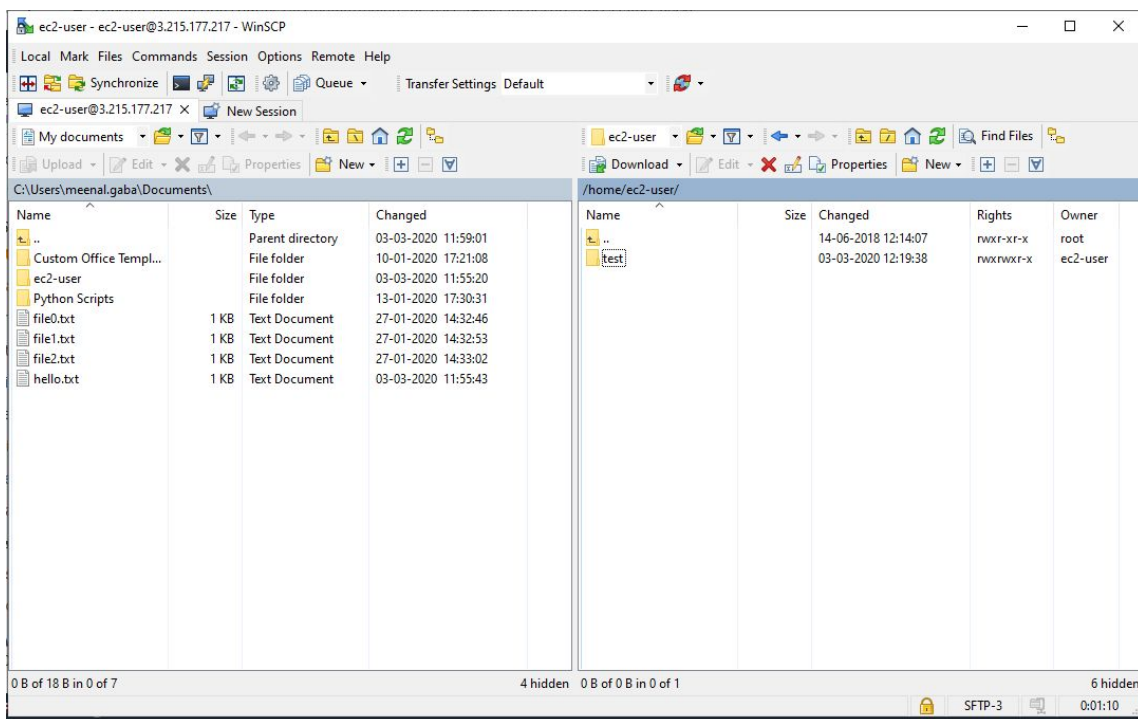
This will open up the file. Now press "i" to insert the text in the file created.

Add "Hello" to file.

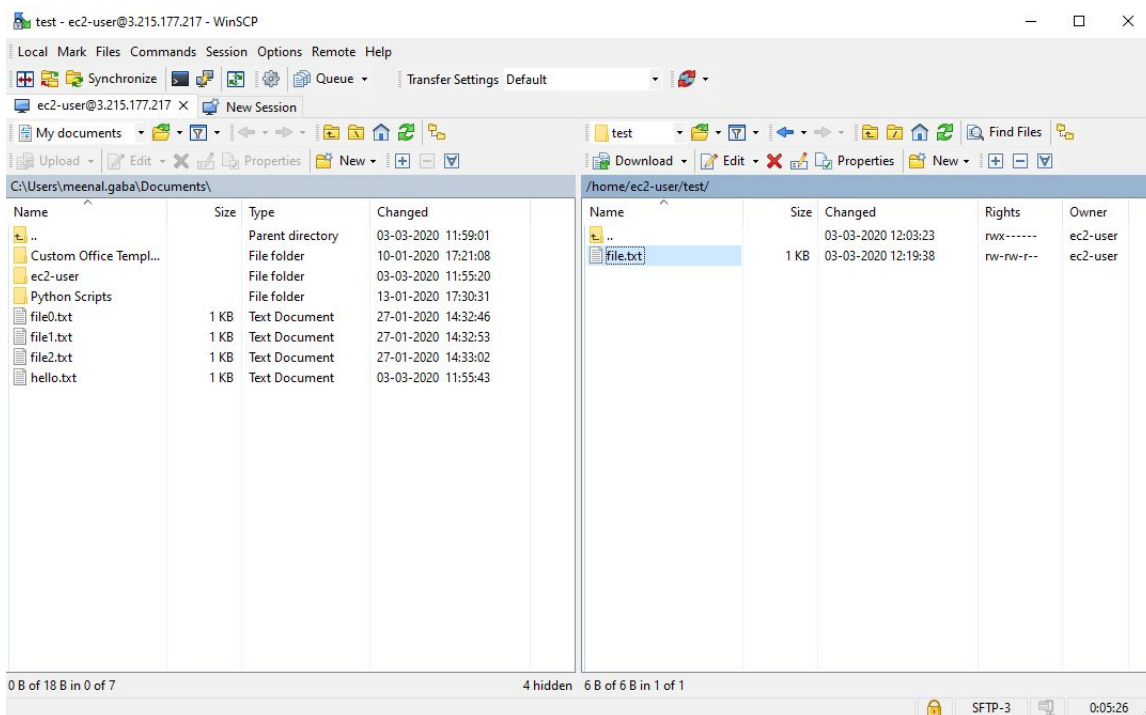
Press esc and then type `:wq!` to save and exit.



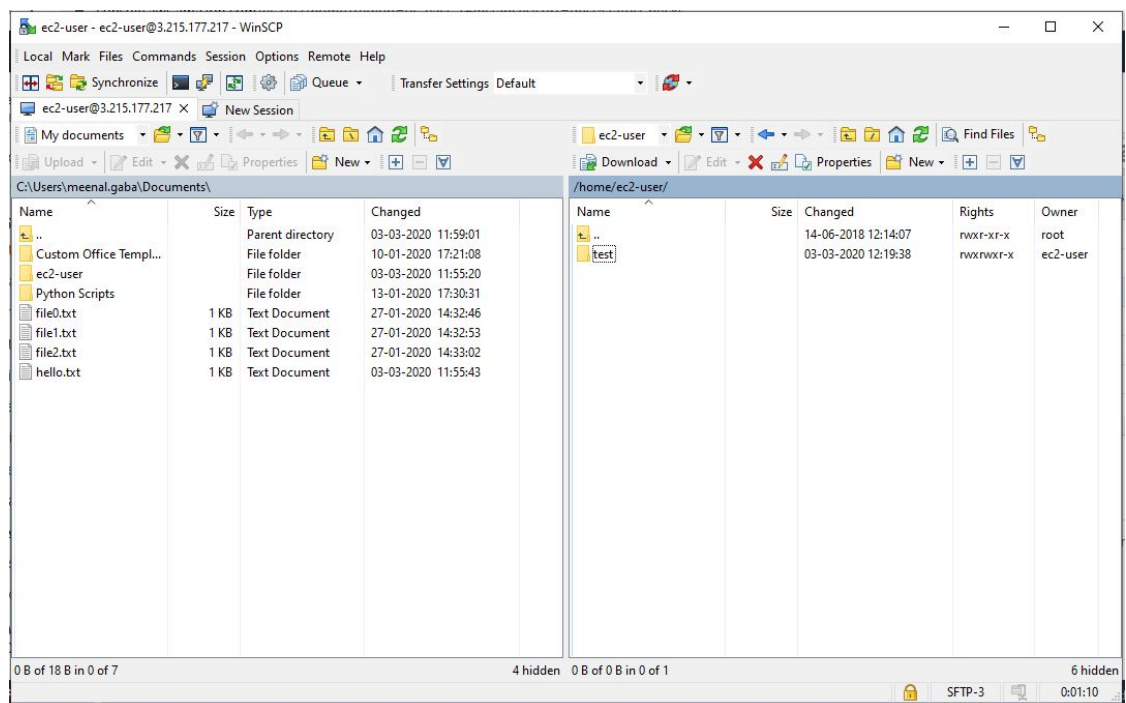
- Now start WinSCP as stated in the above steps.
- The following screen appears.
 - **Left side screen: your local machine (Windows, in our case)**
 - **Right side screen: your linux machine (AWS EC2 instance)**
- You will see the following screen



You can see the test folder created by you on the right-hand side of your screen. Now open the folder and you will see your file.



Now drag and drop it on the left-hand side of your screen and you will see the file on the left-hand side as well.



- Now to check, go to the folder in which you have transferred the file in your windows system. You will see your file in that folder.

