

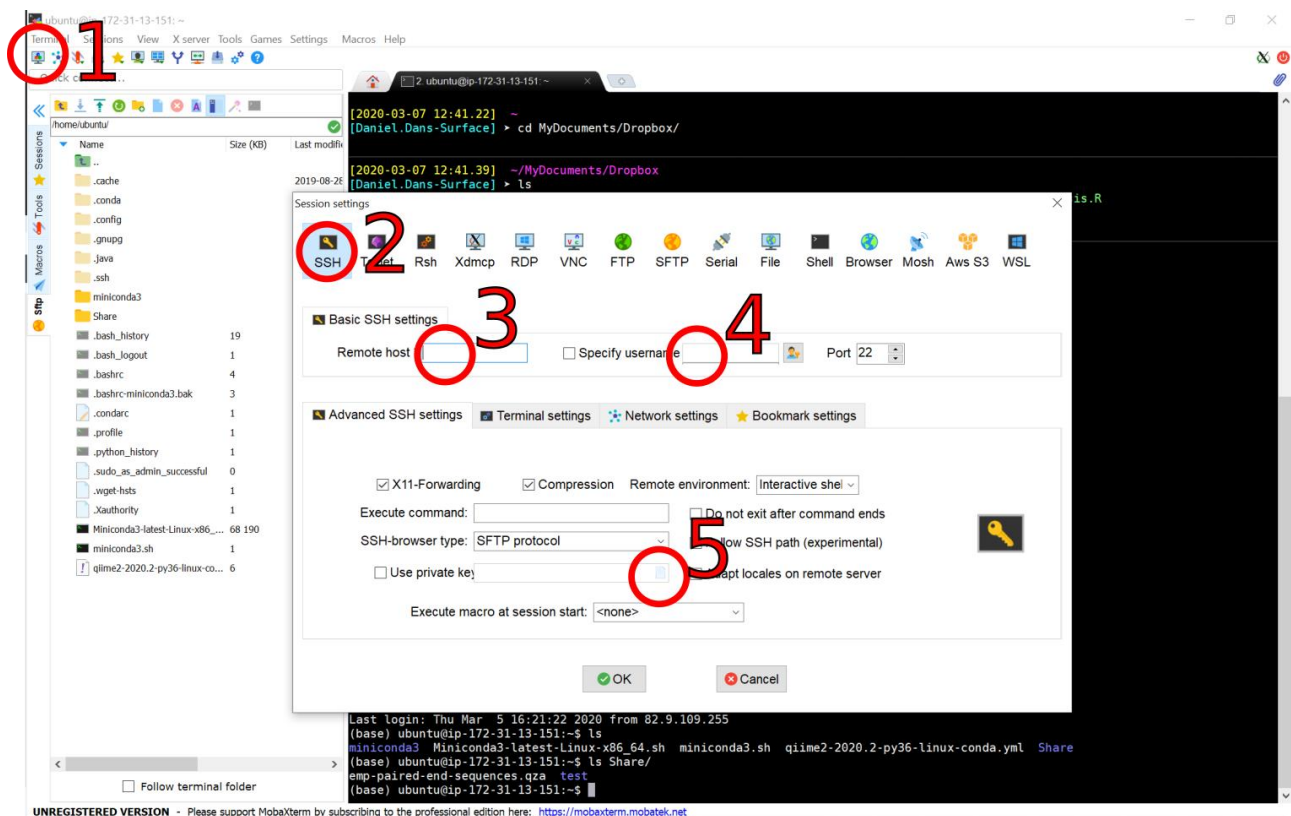
# Connection to the Amazon EC2 service

## How to connect

Most of the course activities will be performed on a Amazon EC2 machine so we need to connect to it. You received an e-mail with your **user** number and the associated **ssh-key.pem**. You will need this number for all the commands below. The examples will be for the user *user28* - you will need to replace 28 with your own, unique number. Note also that the login name (internet address) for Amazon will change daily. We will help with this.

## Windows users using MobaXterm

1. Download Client: The free client can be downloaded from <http://mobaxterm.mobatek.net>
2. Start a new SSH terminal (1&2). Add the host address (3), username (4), and pem file (5) and press "ok".
3. Moba saves your sessions down the left side of the screen, or can be swapped to a file browser for downloading



# Mac and Linux Users

1. Open a terminal (on Mac, cmd + space, then type “terminal” and press )
2. Change your working directory to the folder containing your .pem file, using cd. Something like:

```
cd ~/Documents/myFolder
```

- 3.
4. Change the key permission:

```
chmod 600 c28.pem
```

5. Now use your username and the IP address (this will be emailed to you each day) to log onto the server via SSH. The command will be something like the following (for user user28):

```
ssh -i c28.pem user28@IP
```

## Downloading and uploading files (Linux and Mac users)

1. We want to copy a dummyfile (“myfile.txt”) from my computer to our home directory on the cluster.

```
scp -i c28.pem myfile.txt user28@IP:~/
```

2. We want to copy a dummyfile (“myfile.txt”) from the home directory on the cluster to our computer.

```
scp -i c28.pem user28@IP:~/myfile.txt ./
```

# FileZilla configuration

In order to use **FileZilla** to download data from the EC2 Amazon instances to your computer and vice versa, just use the following indication:

1. Download the ***FileZilla Client*** directly from [here](#);
2. Install and open it;
3. Select *Site Manager* and create a new instance:
  - Protocol: **SFTP**
  - Host: **IP**
  - Logon: **Key File**
  - User: **the user name used to access the EC2 Amazon instance**
  - Key file: **the same .pem file you used for the connection**