

# PuTTY Tools

Download all PuTTY binaries from:

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

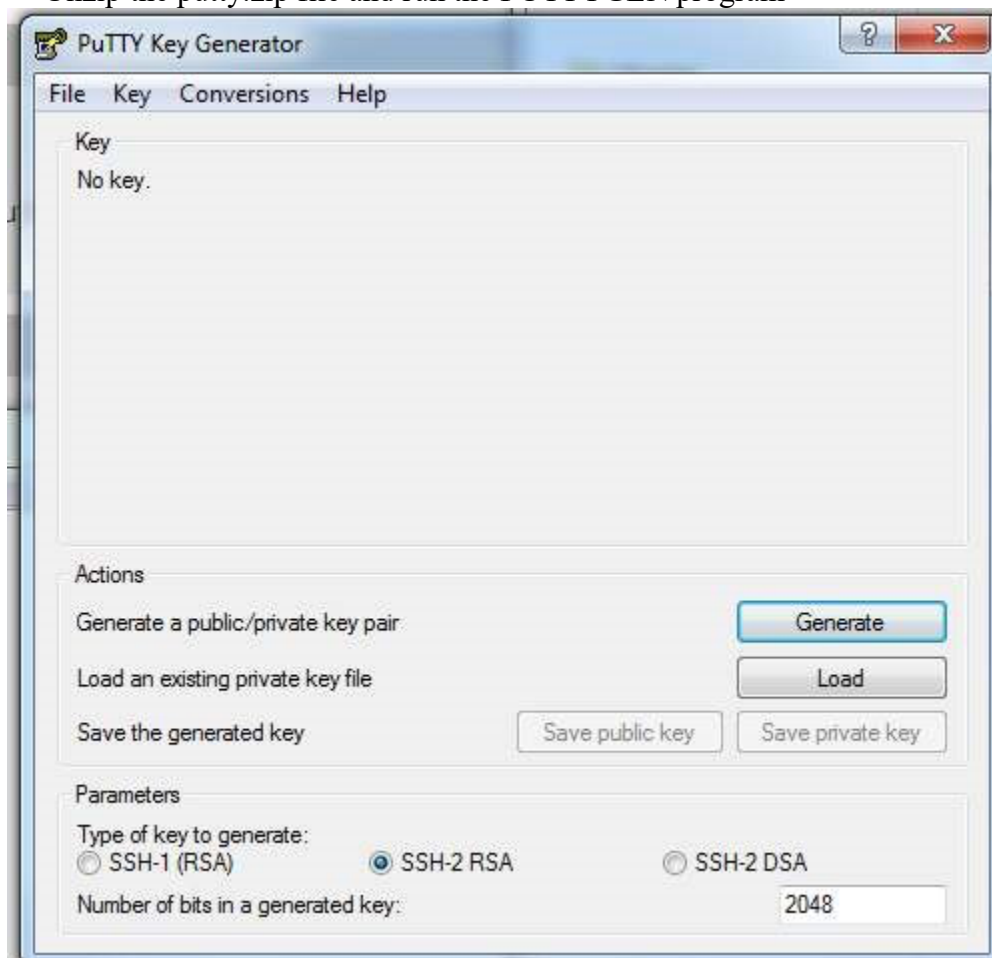
## Background

Details on Using public keys for SSH authentication can be found at:

<https://www.chiark.greenend.org.uk/~sgtatham/putty/docs.html>

## Protecting the private key

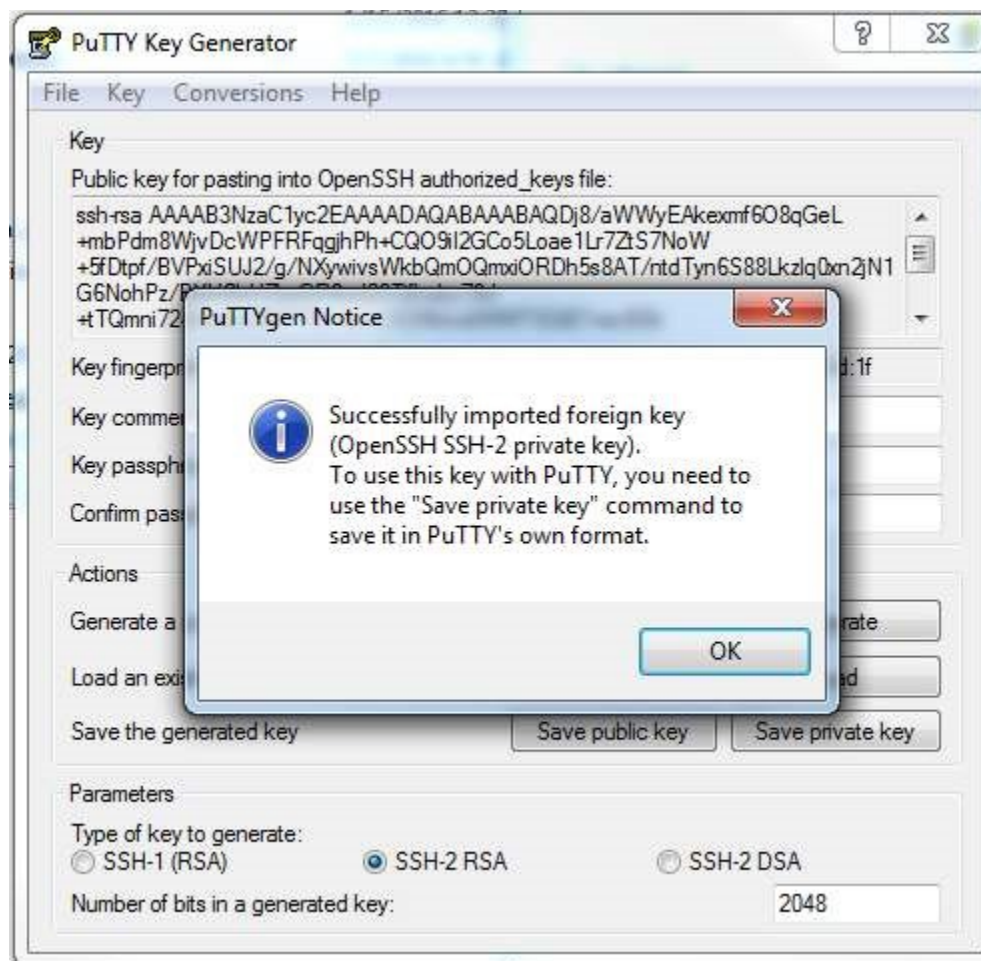
- Unzip the putty.zip file and run the PUTTYGEN program



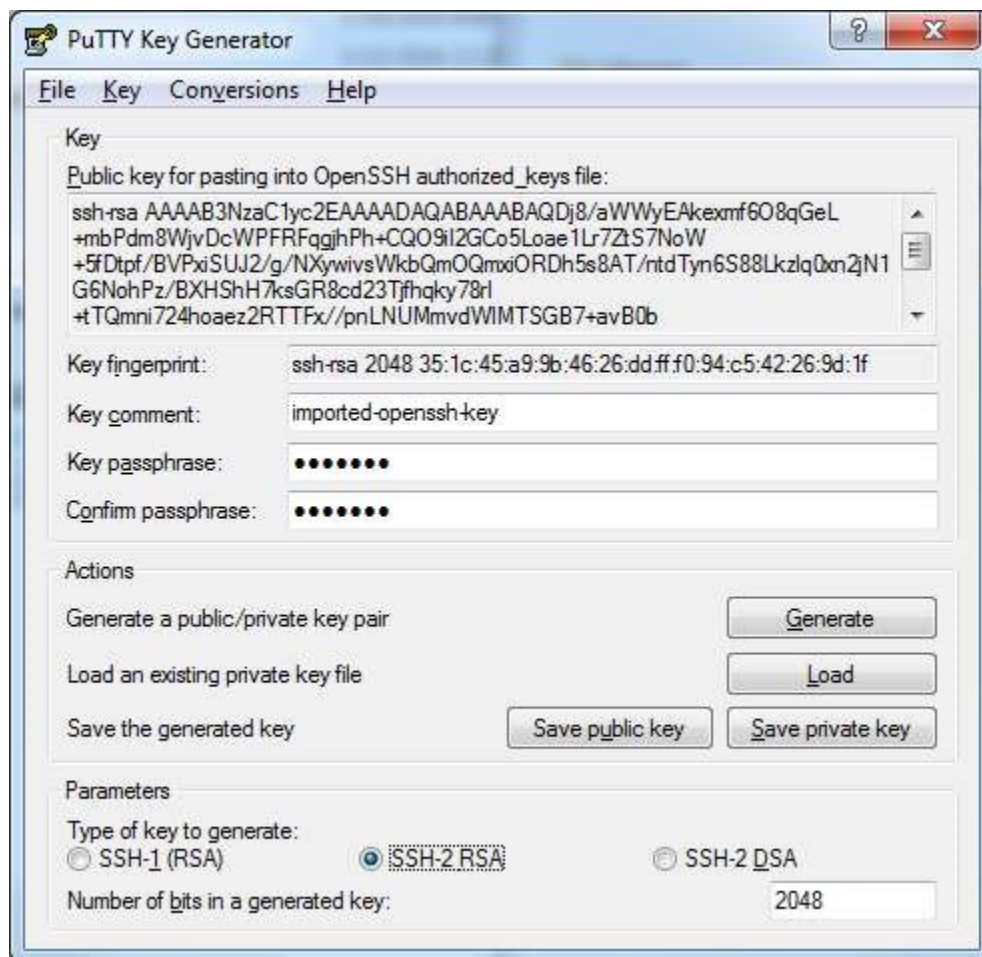
- Click on File->Load private key



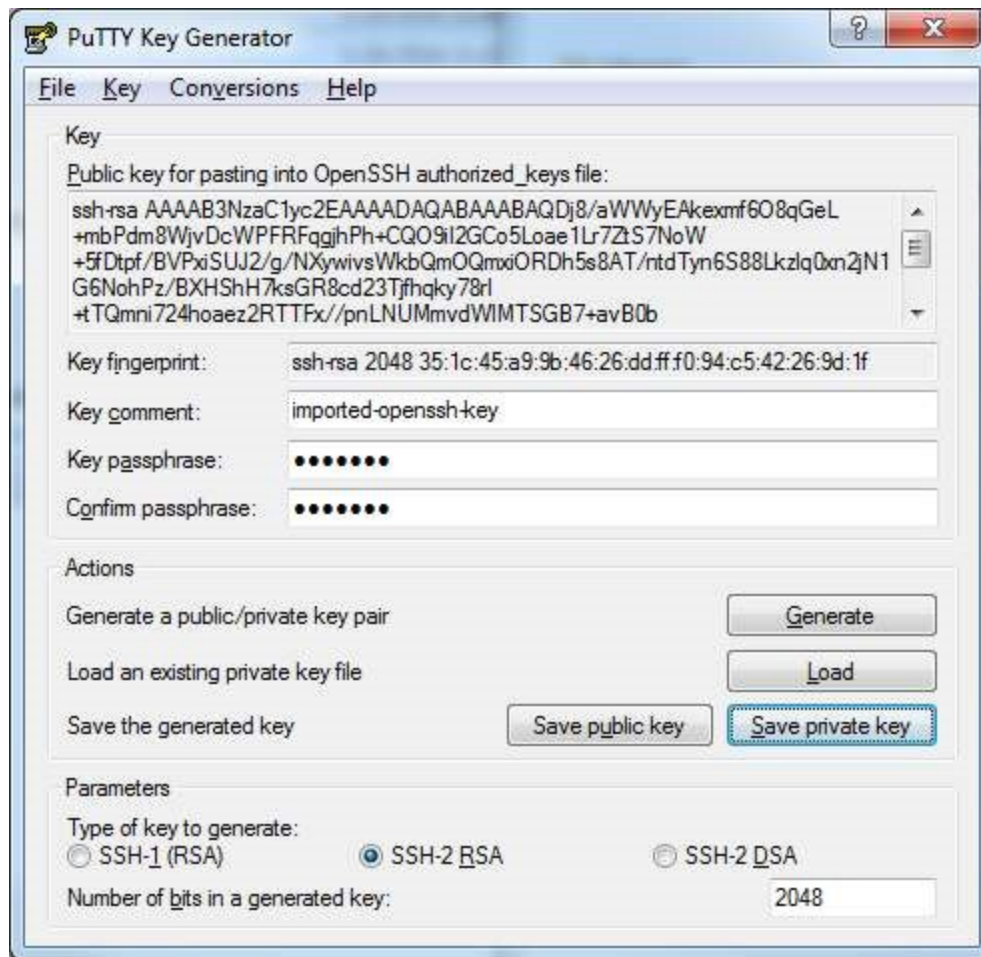
- Click OK button to acknowledge the successful notice



- Enter a key passphrase and confirm it



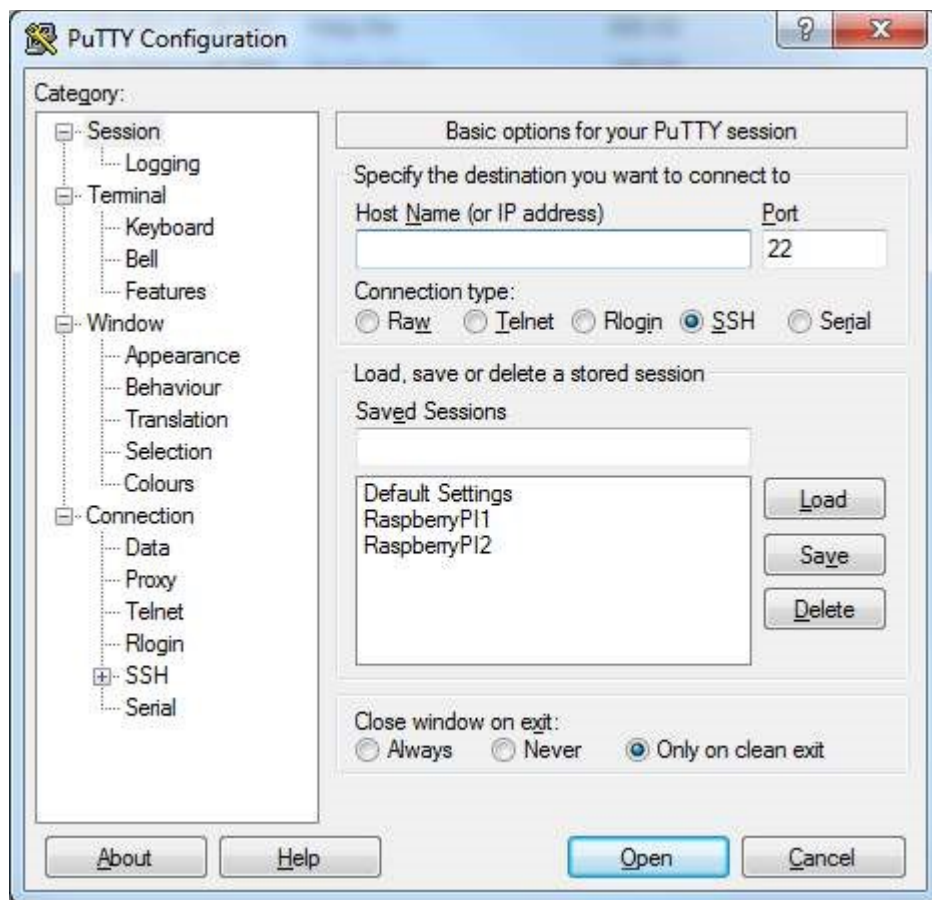
- Click Save private key



Note that the protected private key file (.ppk) just created is needed by PuTTY.

## Setting up PuTTY with the protected private key file

- Start PuTTY

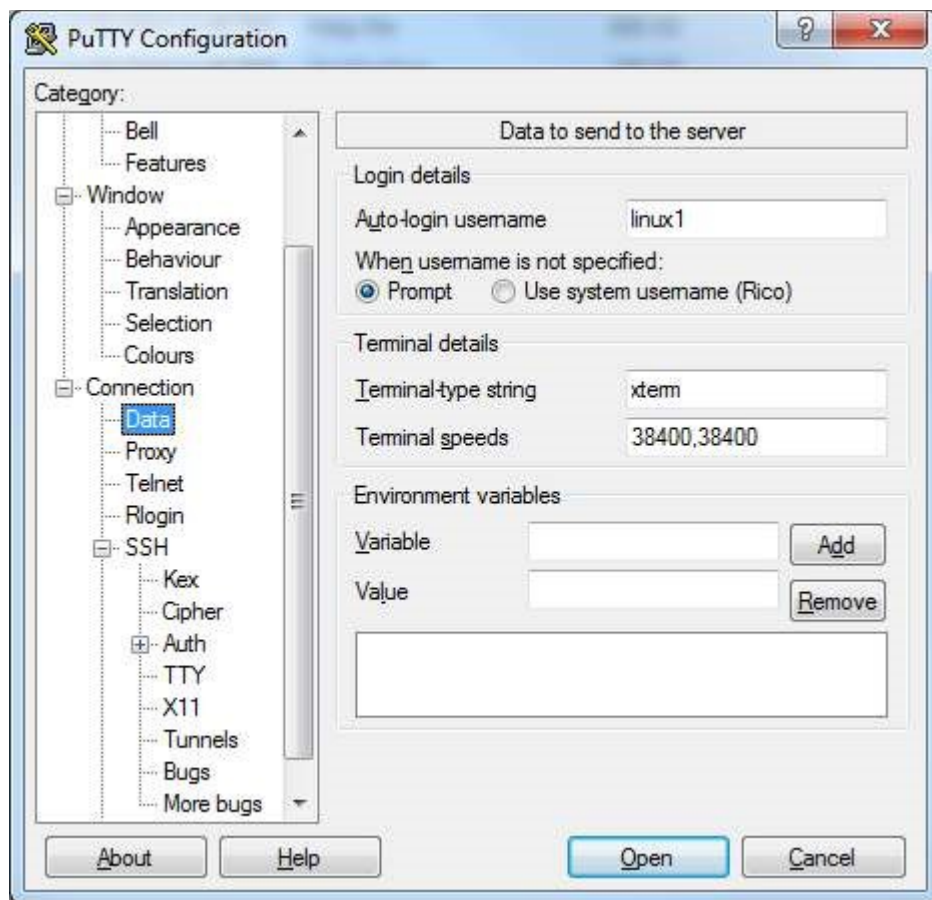


- Select Connection->SSH->Auth and Click Browse to select the protected private key file (.ppk)

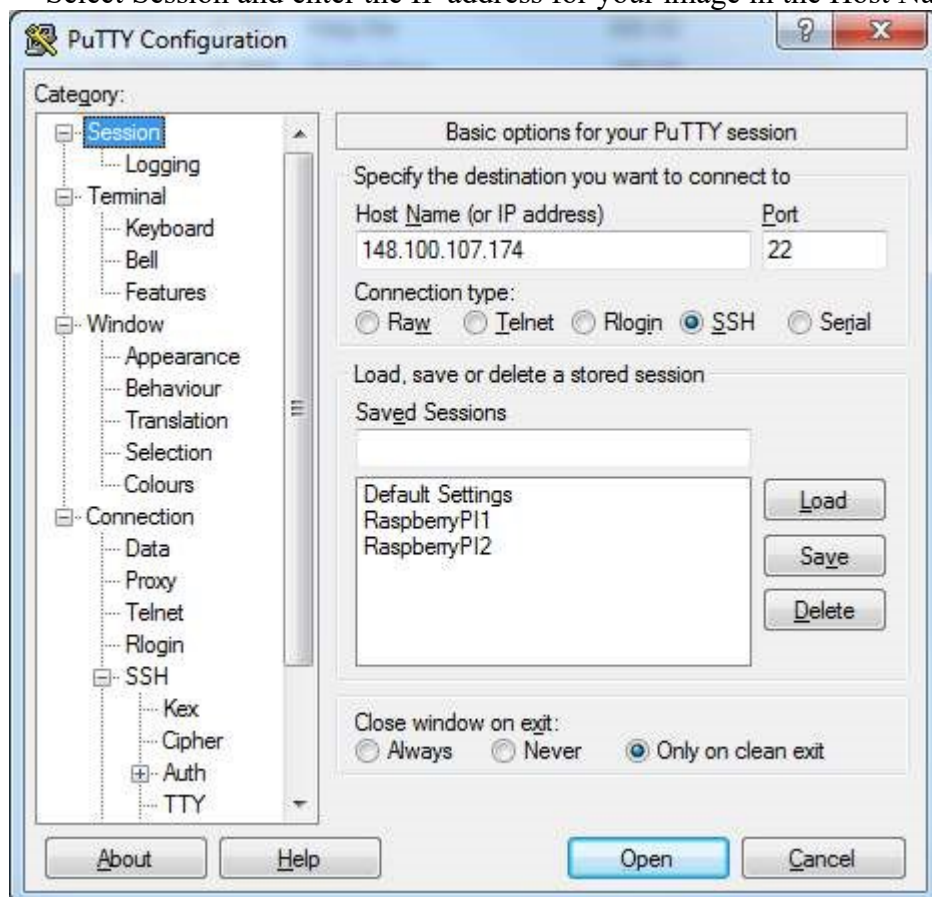


- Select Connection->Data and enter linux1 in the Auto-login username textbox

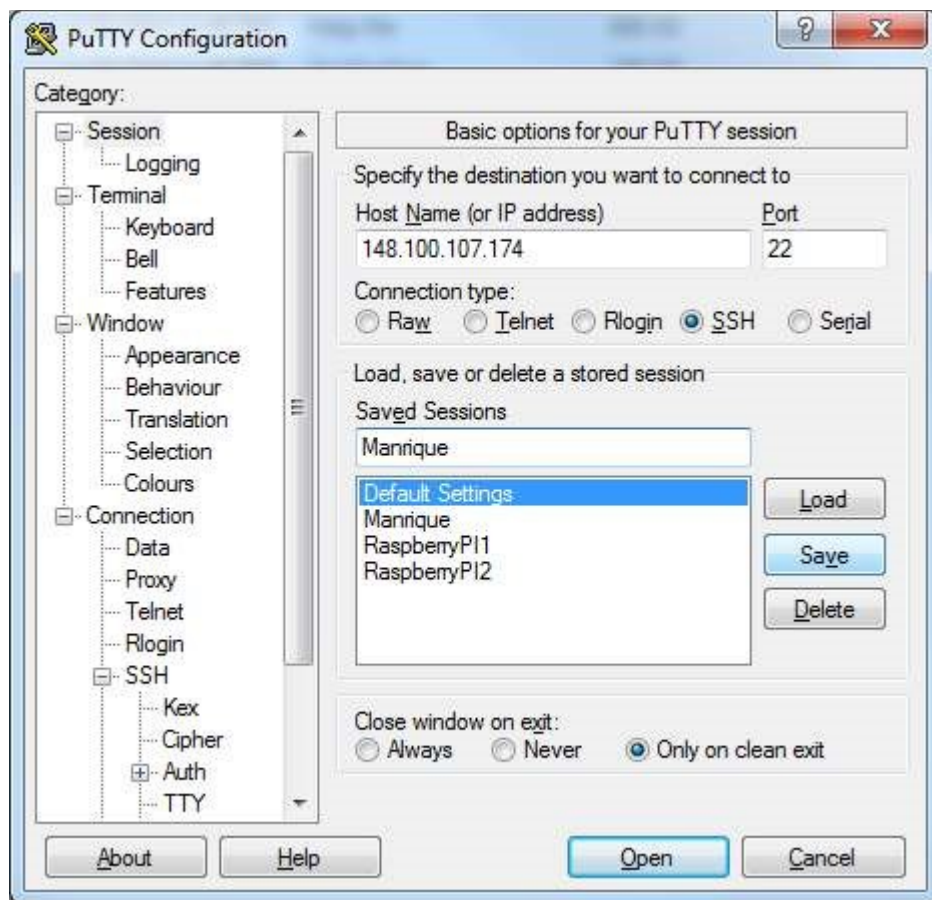




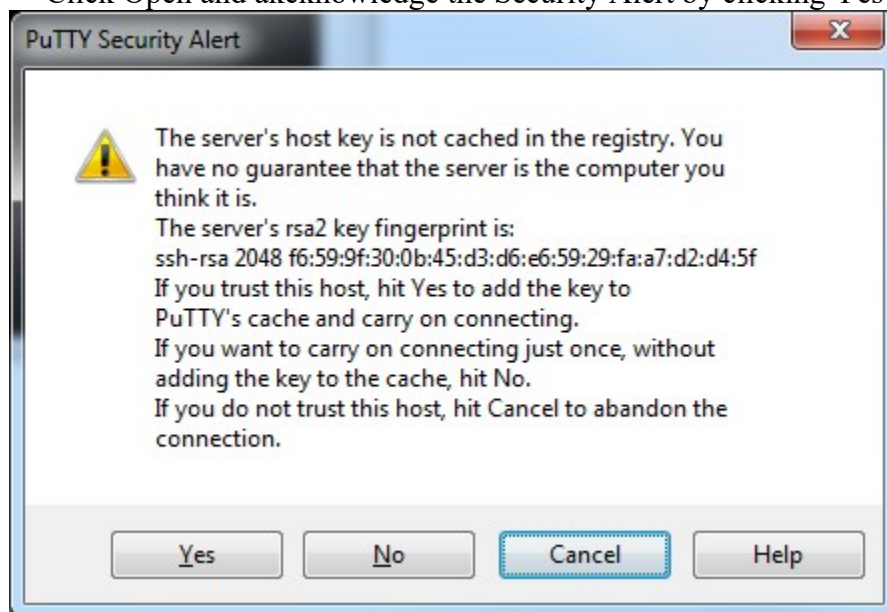
- Select Session and enter the IP address for your image in the Host Name textbox



- Save the session configuration using the name of your image

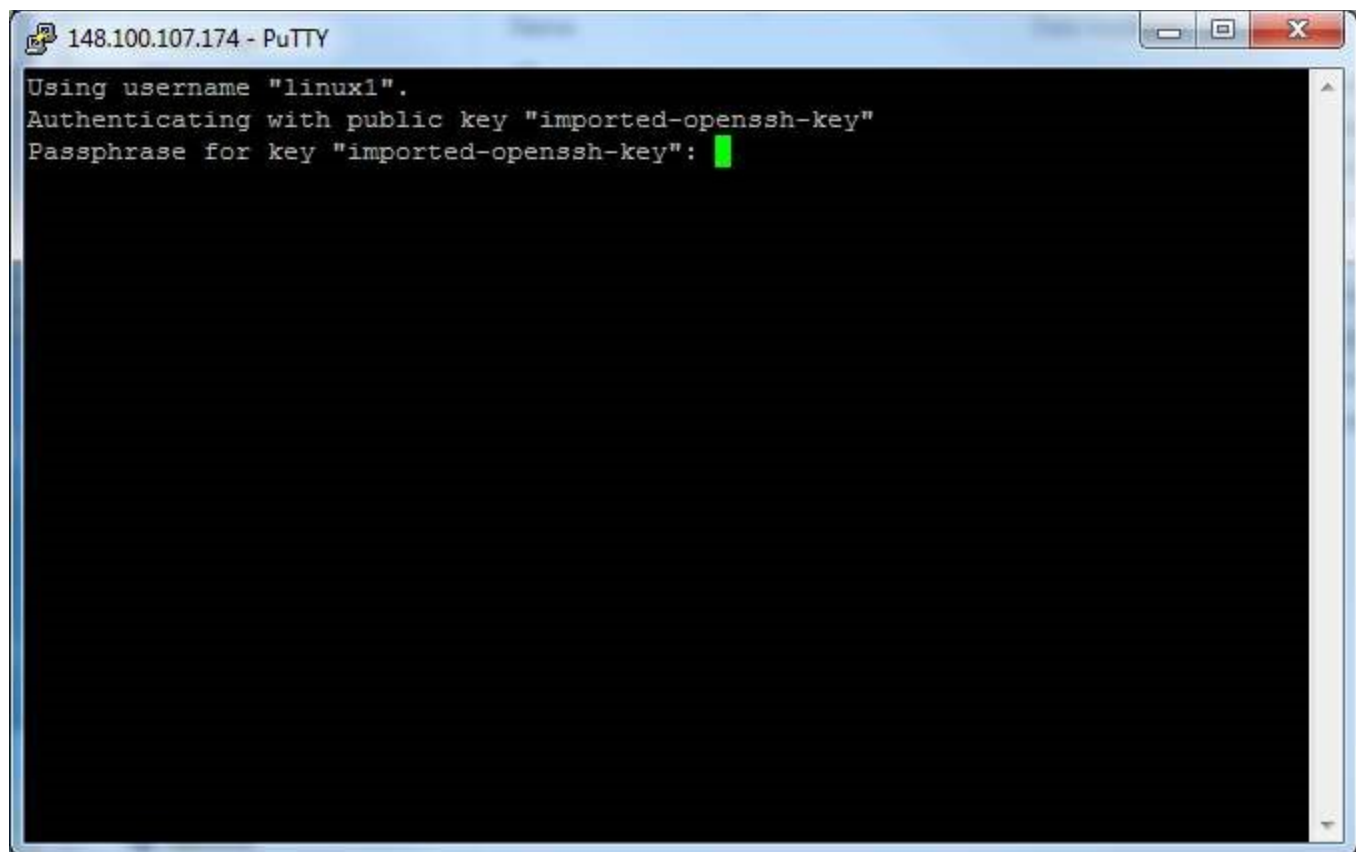


- Click Open and acknowledge the Security Alert by clicking Yes



- Enter the passphrase for the protected private key



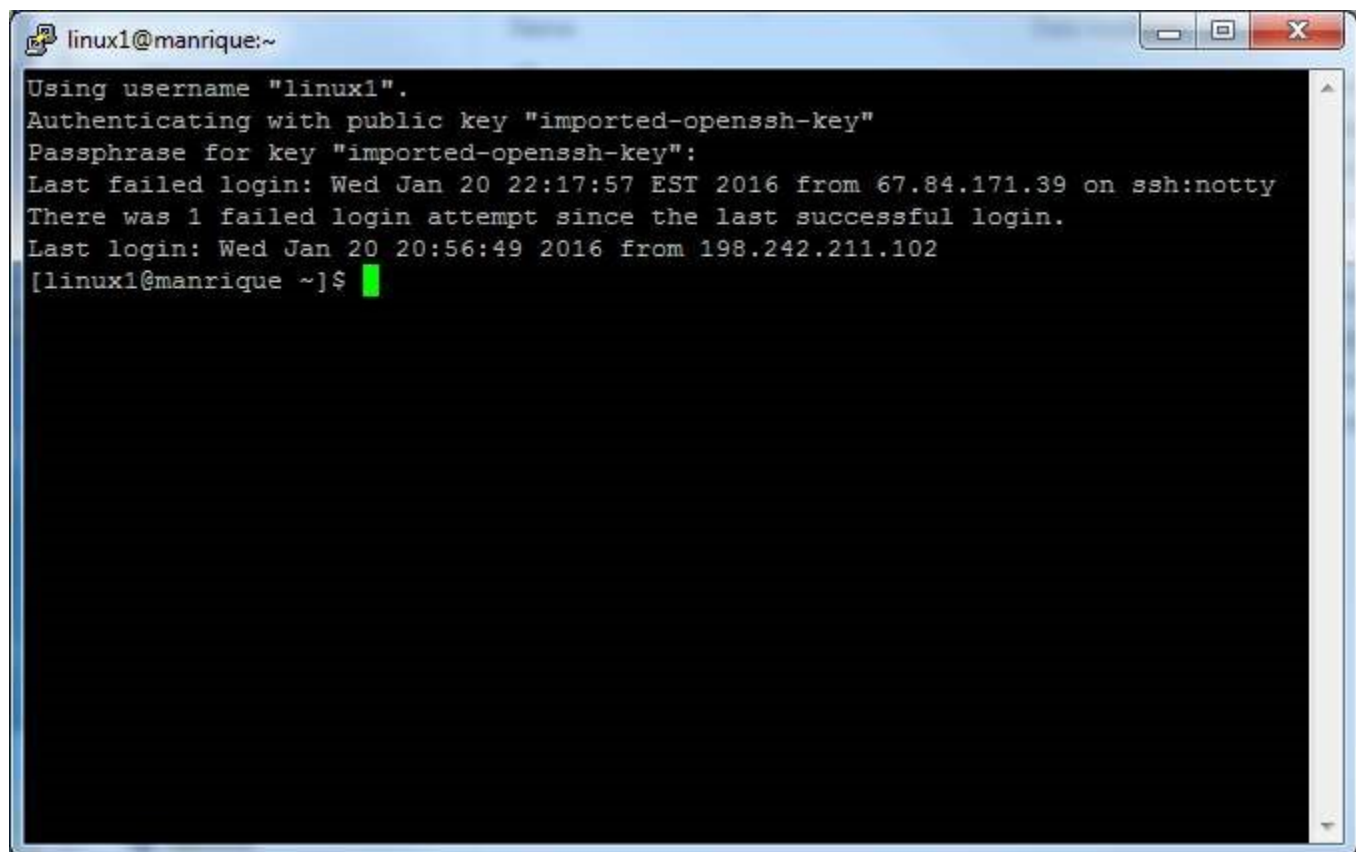


A terminal window titled "148.100.107.174 - PuTTY" with a black background and white text. The text shows the progress of an SSH login: "Using username 'linux1'." followed by "Authenticating with public key 'imported-openssh-key'" and "Passphrase for key 'imported-openssh-key':" with a green cursor at the end of the last line.

```
148.100.107.174 - PuTTY
Using username "linux1".
Authenticating with public key "imported-openssh-key"
Passphrase for key "imported-openssh-key":
```

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## Welcome to bash!



A terminal window titled "linux1@manrique:~" with a black background and white text. It shows the completion of the SSH login process, including login statistics and the final bash prompt. The text is: "Using username 'linux1'." followed by "Authenticating with public key 'imported-openssh-key'" and "Passphrase for key 'imported-openssh-key':". Below this, it shows "Last failed login: Wed Jan 20 22:17:57 EST 2016 from 67.84.171.39 on ssh:notty", "There was 1 failed login attempt since the last successful login.", and "Last login: Wed Jan 20 20:56:49 2016 from 198.242.211.102". The final line is the bash prompt "[linux1@manrique ~]\$" with a green cursor.

```
linux1@manrique:~
Using username "linux1".
Authenticating with public key "imported-openssh-key"
Passphrase for key "imported-openssh-key":
Last failed login: Wed Jan 20 22:17:57 EST 2016 from 67.84.171.39 on ssh:notty
There was 1 failed login attempt since the last successful login.
Last login: Wed Jan 20 20:56:49 2016 from 198.242.211.102
[linux1@manrique ~]$
```