

A short guide to set up the connection to the workshop server

Connection to remote server are usually implemented via ssh (Secure Shell)

The ssh protocol and the access to terminal are immediate for linux and macOS user
If you have either of these Operative Systems (OS), go the last page of this guide.

If you have a Windows laptop please install putty and follow the instructions provided

You can download the software here: <https://www.putty.org/>

After clicking on the download button you should see this page.
Select the installer for you OS version.

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This page contains download links for the latest released version of PuTTY. Currently this is 0.79.

When new releases come out, this page will update to contain the latest, so this is a good page to

Release versions of PuTTY are versions we think are reasonably likely to work well. However, if you have a problem with this release, then it might be worth trying out the [development snapshots](#), to see if the problem is

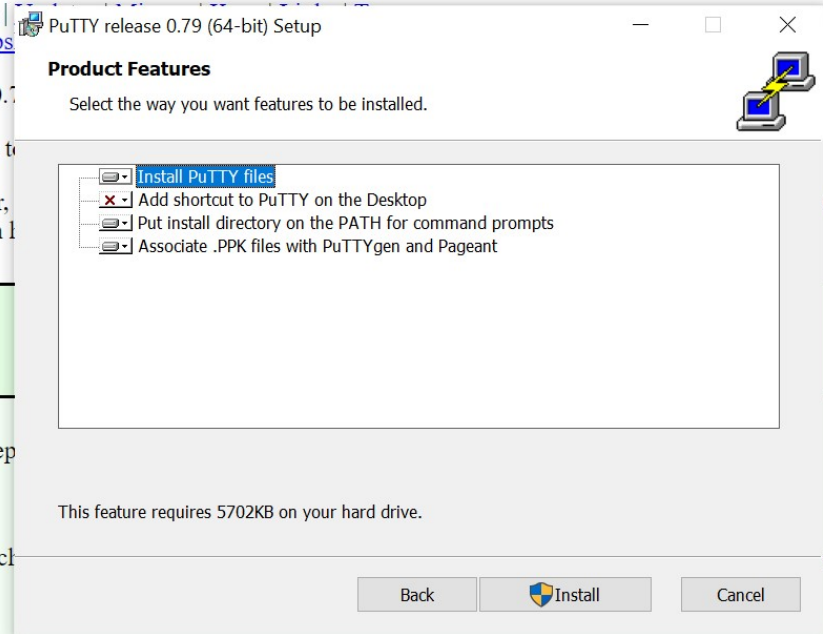
Package files

You probably want one of these. They include versions of all the PuTTY utilities (except the Pageant utility). (Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

We also publish the latest PuTTY installers for all Windows architectures as a free-of-charge service when we release them.

MSI ('Windows Installer')

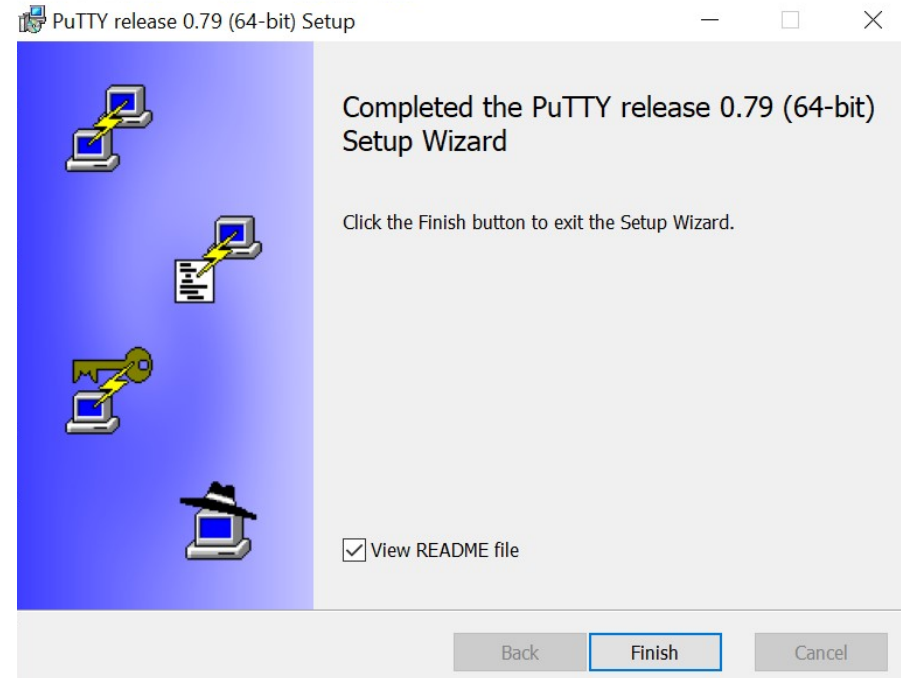
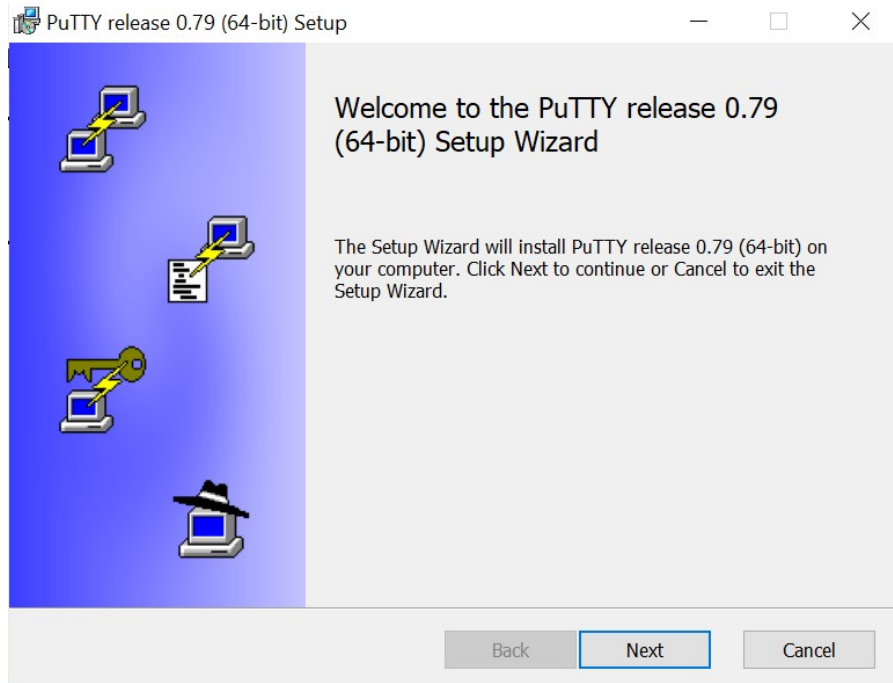
64-bit x86:	putty-64bit-0.79-installer.msi	(signature)
64-bit Arm:	putty-arm64-0.79-installer.msi	(signature)
32-bit x86:	putty-0.79-installer.msi	(signature)

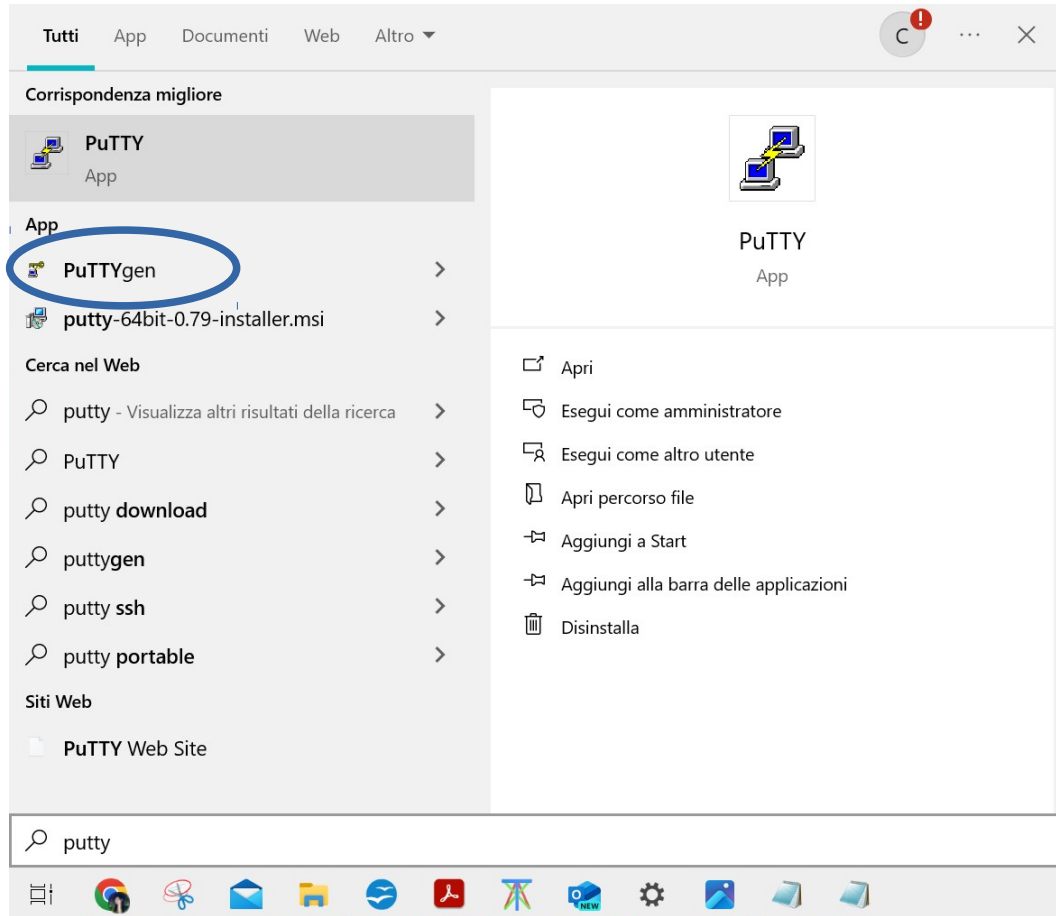


Check the following page if in doubt about the windows version installed

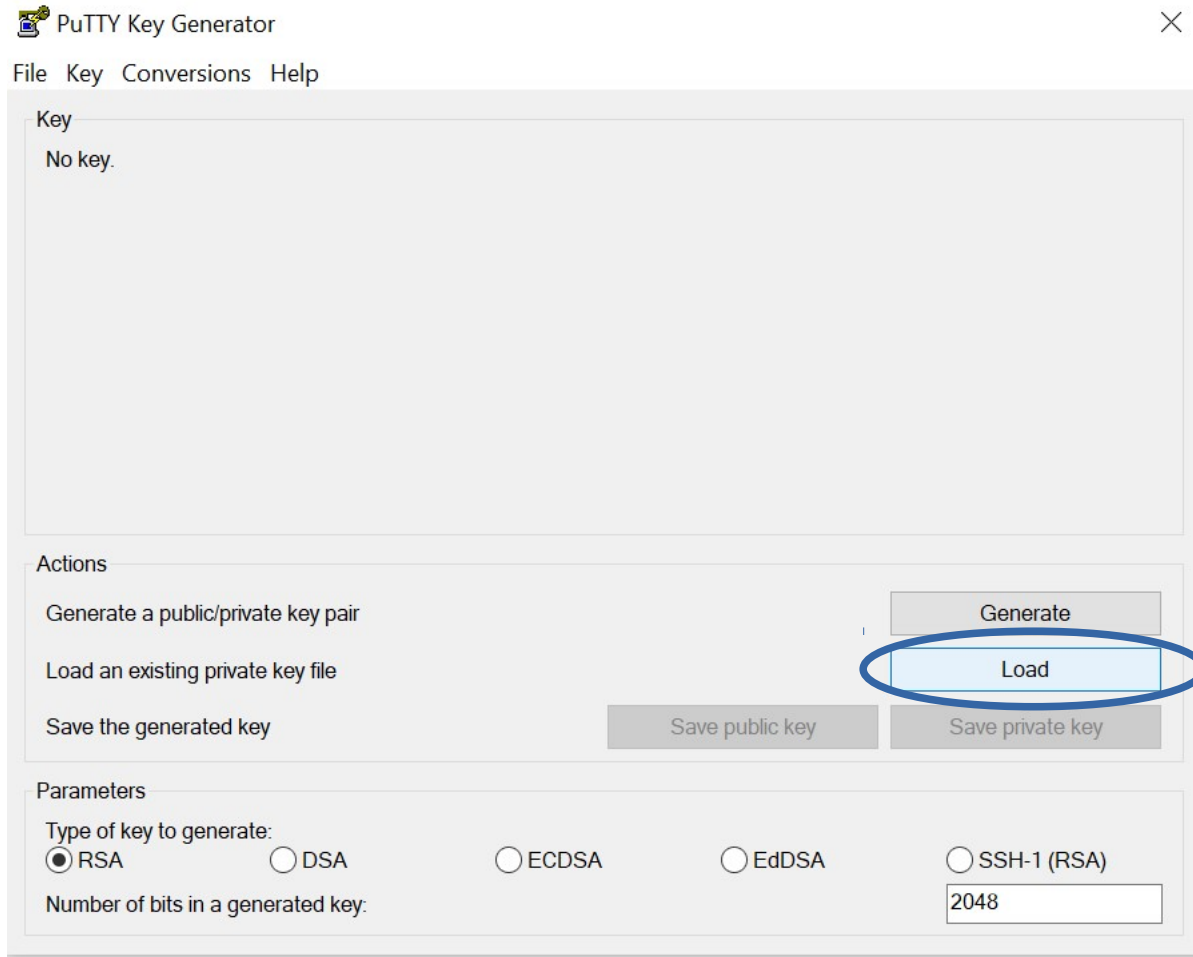
<https://support.microsoft.com/en-us/windows/which-version-of-windows-operating-system-am-i-running-628bec99-476a-2c13-5296-9dd081cdd808>

Complete the installation process by clicking on next (twice) and then finish





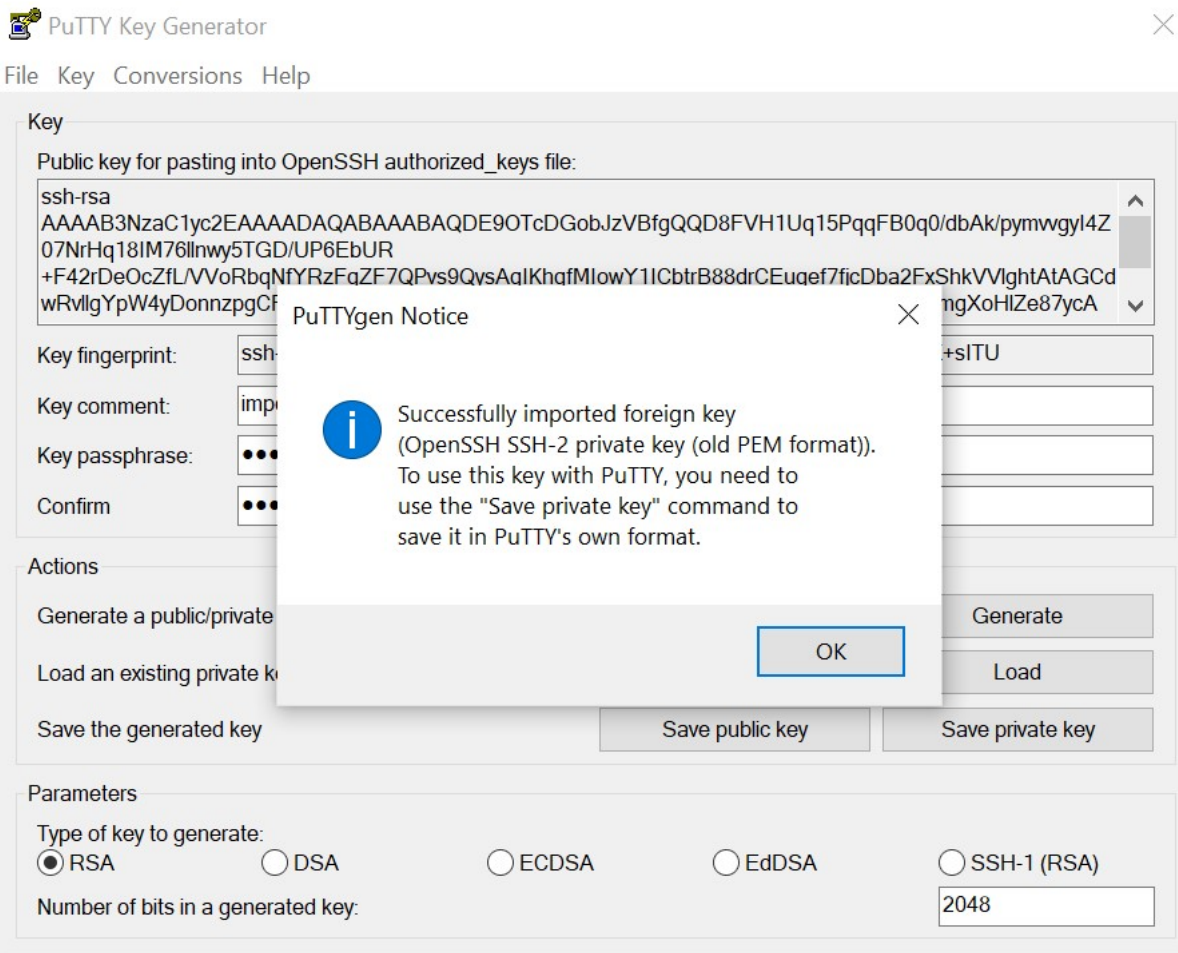
After completing the installation,
Search for putty and click on the
Pyttygen app



You should now see a tab like this.

Click on the load button

Then navigate to the folder were you have downloaded the ssh-key you have received from us



After loading the key, you should insert a passphrase in the reserved field. This could be anything you like but we recommend you use the one we sent you via email

After importing the key in putty, this pop up message. Click on OK.

Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQDE9OTcDGobJzVBfgQQD8FVH1Uq15PqqFB0q0/dbAk/pymwgyl4Z
07NrHq18IM76llnwy5TGD/UP6EbUR
+F42rDeOcZfL/VVoRbqNfYRzFgZF7QPvs9QysAqIKhgfMlowY1ICbtrB88drCEugef7fjcDba2FxShkVVIghtAtAGCd
wRvlgYpW4yDonnzpgCFF8lFd/qJfWPEXfsPT7Mr91NjuyeCcEGwKtfnJ4aN7SdTqKiwaXe5RJPmgXoHIze87ycA
```

Key fingerprint: ssh-rsa 2048 SHA256:VgFnnPcnBtOaXUwtPzsoSPTC2pTMRIm29yLVFK+sITU

Key comment: imported-openssh-key

Key passphrase: ●●●●●●●●●●

Confirm: ●●●●●●●●●●

Actions

Generate a public/private key pair

Generate

Load an existing private key file

Load

Save the generated key

Save public key

Save private key

Parameters

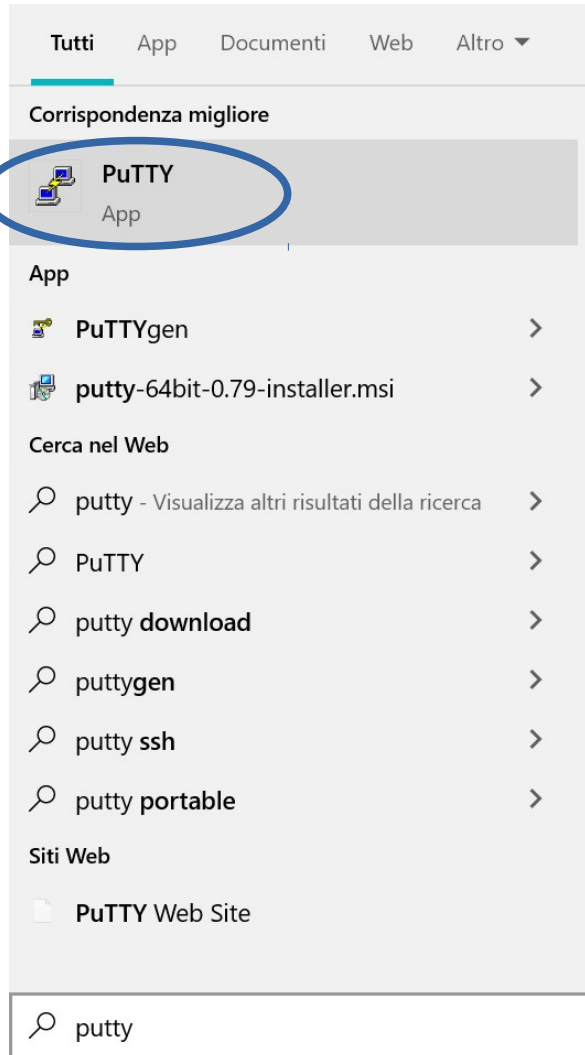
Type of key to generate:

☒ RSA☐ DSA☐ ECDSA☐ EdDSA☐ SSH-1 (RSA)

Number of bits in a generated key:

2048

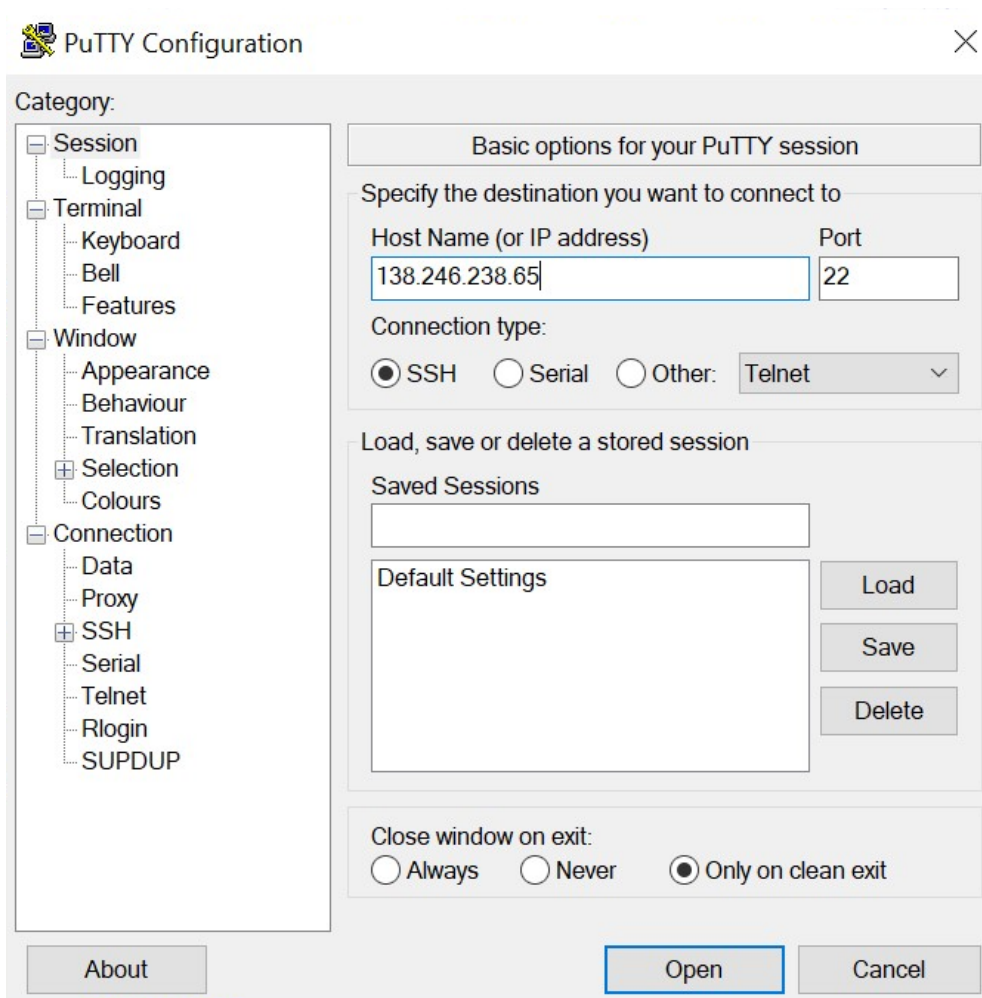
Save the private key.
we suggest to put it
into your Document
folder and call it
workshop_key



Now that you have completed this preliminary step, it's time we set up the connection

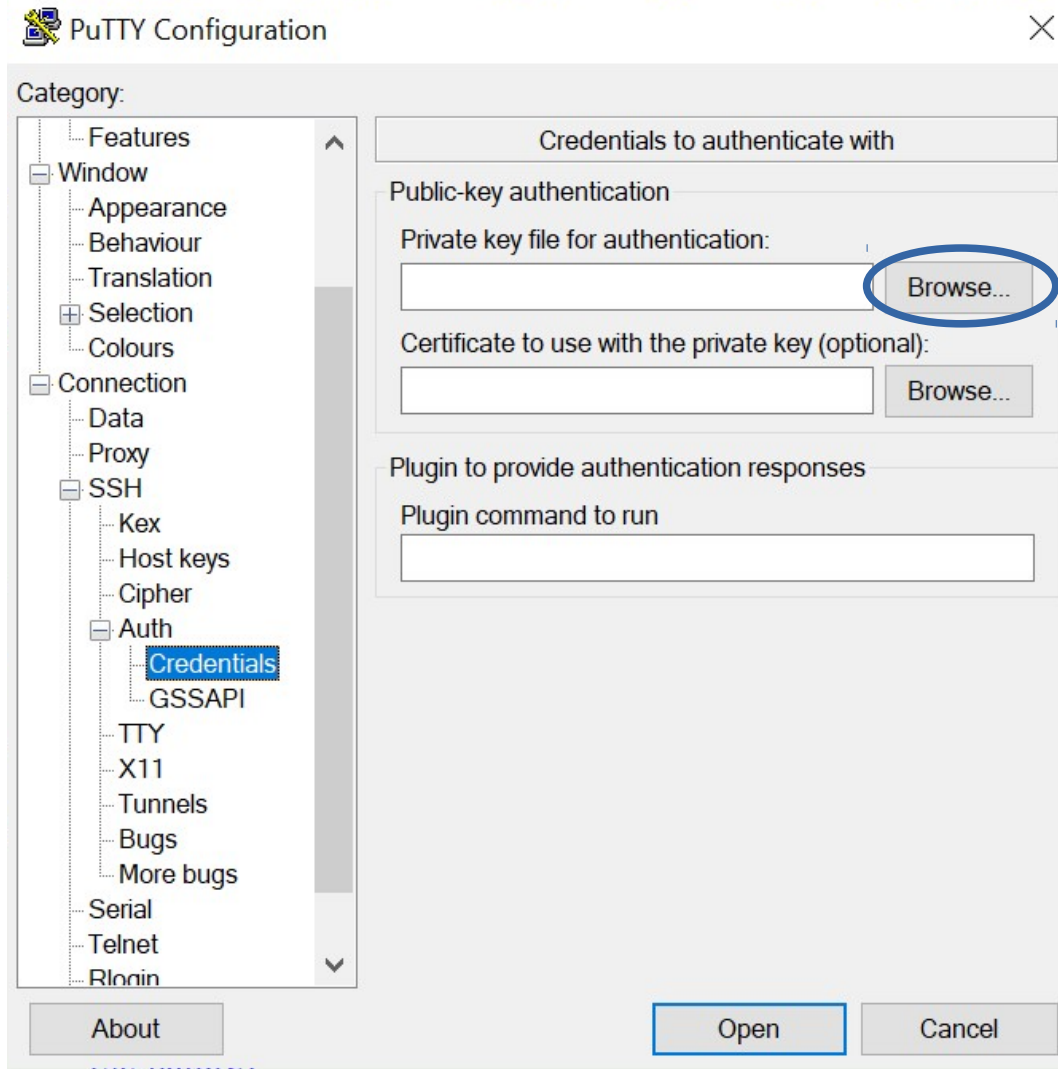
Go to the search bar and type putty.

This time select the putty app as in figure



You should now see something like this on your screen

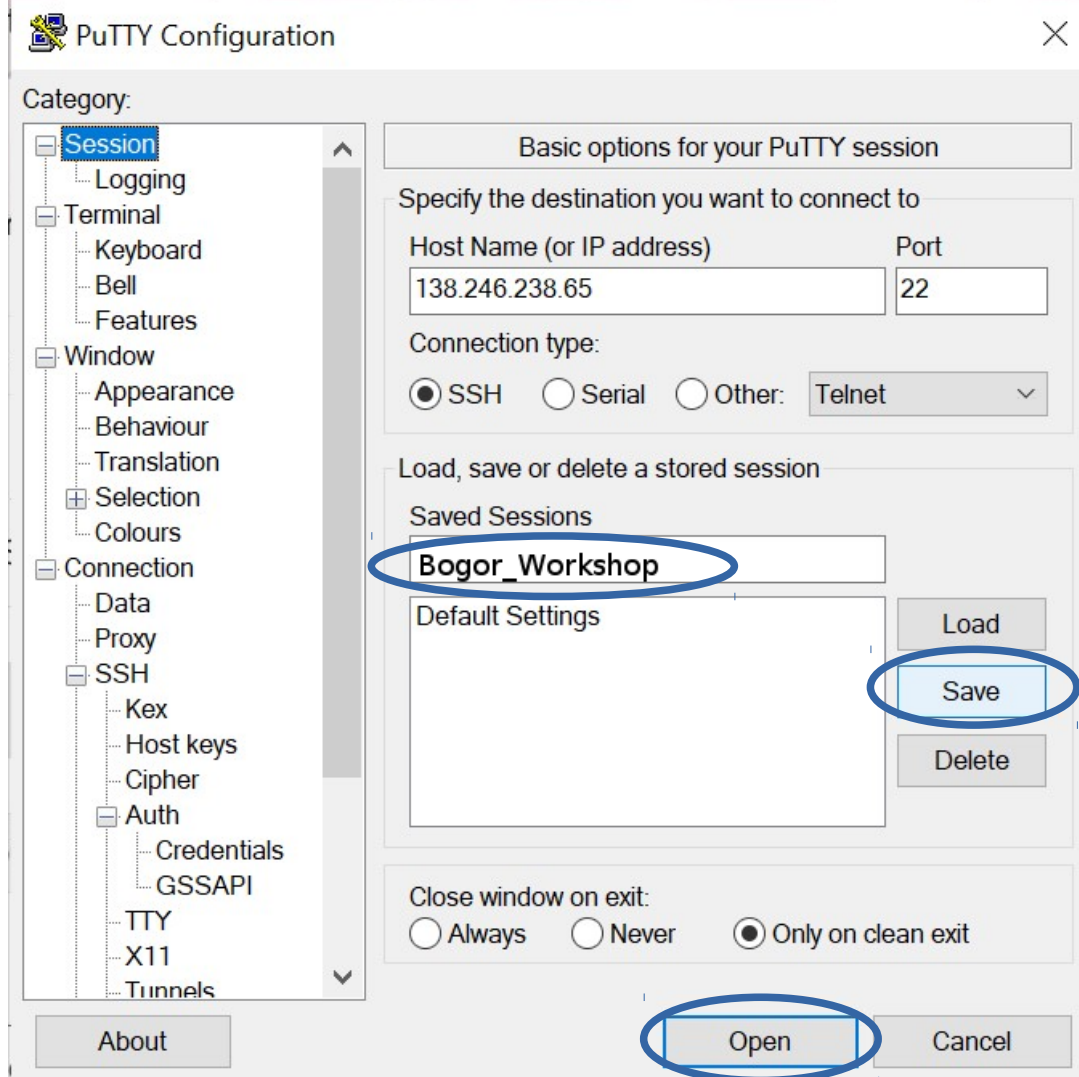
Insert the IP address reported in the figure,
Select port 22 (if it's not there already)
And the connection type ssh



Using the menu on the left,
Click on ssh, auth, then credential

Click on the browse button,
navigate to the Document
folder and select the
workshop_key file you have
saved before

Then click on

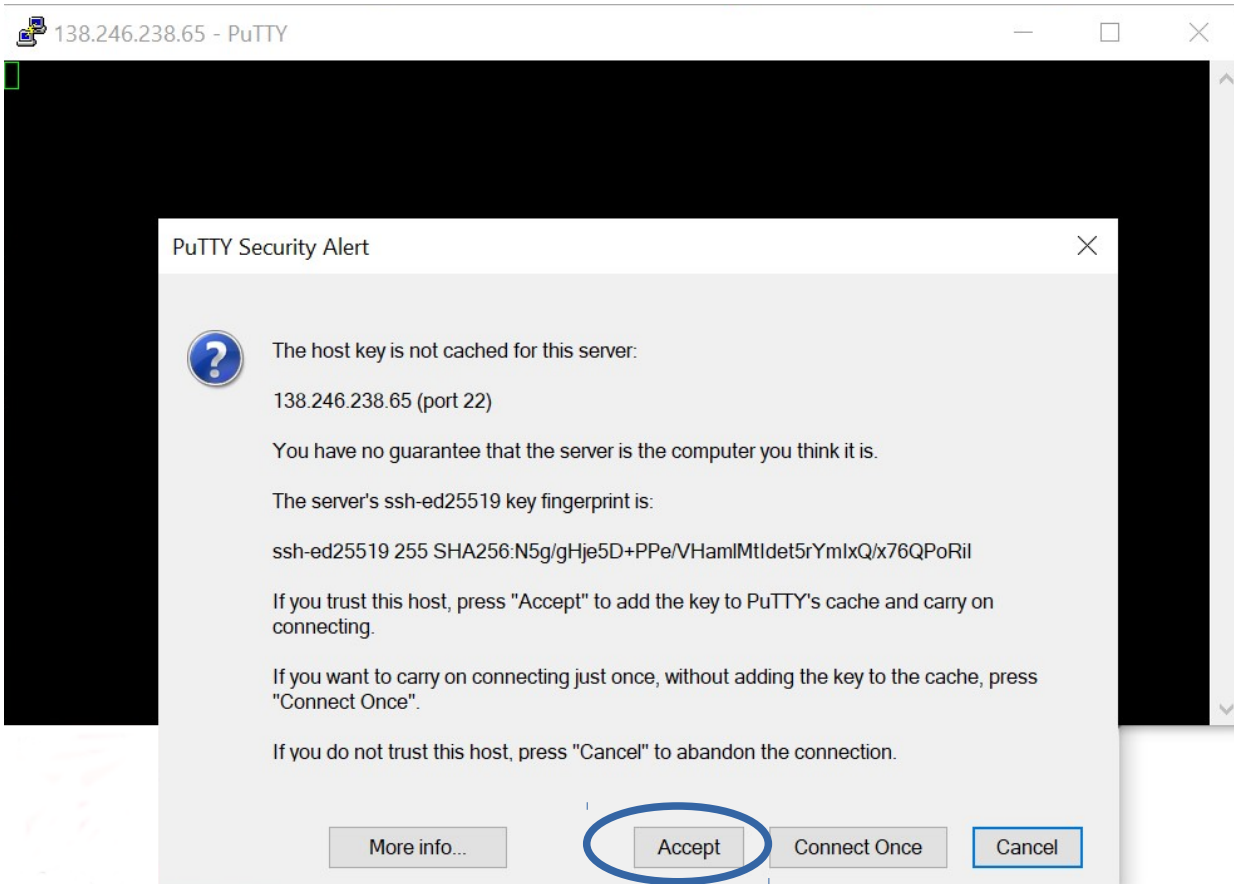


Using the left menu go back to Session

Type a session name in the saved session field (Bogor_Workshop)

Click on the save button

Finally click on open



You should now see a black terminal

Usually with "log in as" written on the first line.

Insert your user_ID and press enter

You should be prompt with a passphrase. Type the key passphrase you enter previously

If you see a message like the one in figure, click on accept

Congrats, you have reached our server! Now close putty. See you at the workshop

If you have a macOS or linux laptop instead open a terminal

Navigate to the .ssh directory: `cd .ssh`

if it doesn't exist create one with the following command:

`mkdir .ssh ; cd .ssh`

Now generate a new ssh key pairs with:

`ssh-keygen -f ./workshop_key -t rsa`

When prompted for the passphrase, insert the one you received

Then reply to the email with your credential and attach the public key file
(usually it has the .pub extension)

After a few hours you should be able to access the server from the terminal by typing:

`ssh -i ./ssh/workshop_key -l your_user_ID 138.246.238.65`