

Tutorial GenOuest

#1 SSH Access

Connect to cluster on Windows

- First, you need an account on GenOquest:

<https://my.genouest.org/>

- Then, download Putty (with key generator and pageant):

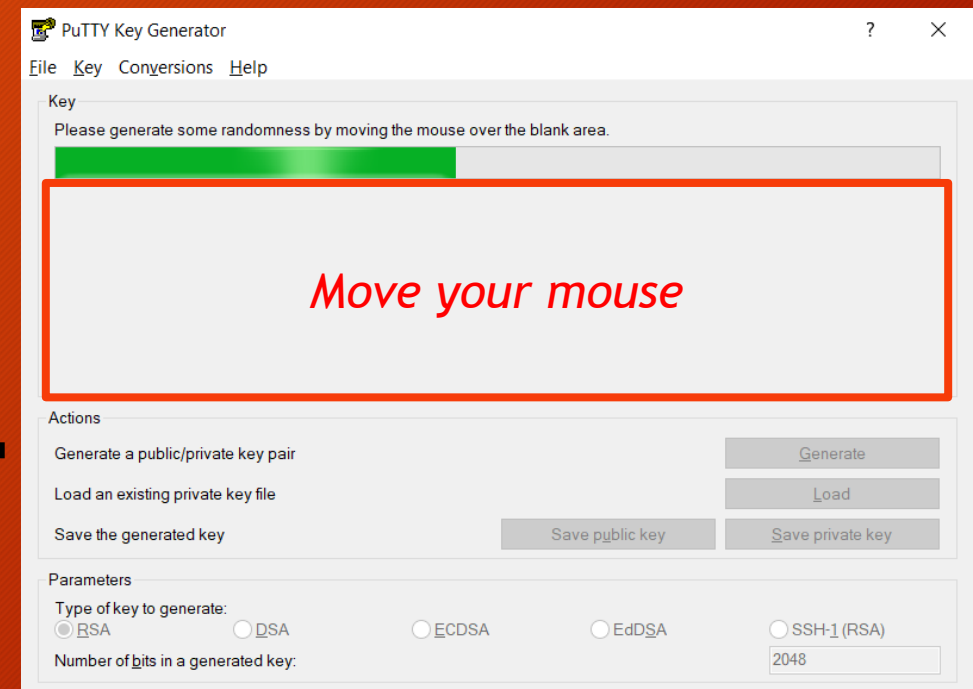
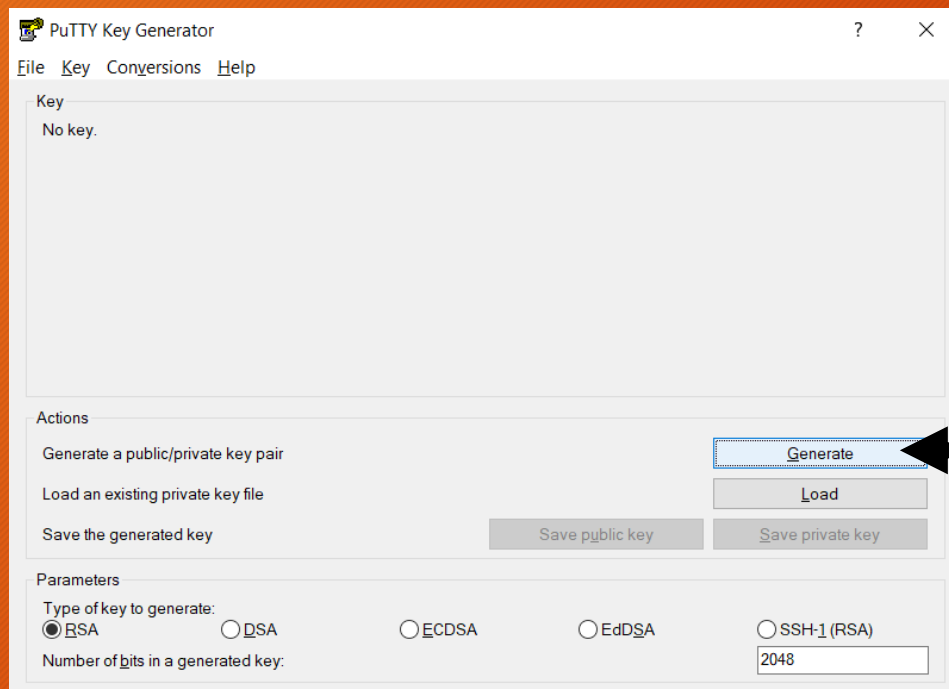
<https://www.chiark.greenend.org.uk/~sgtatham/putty/->

- The goal of this part is to get a public key which looks like this:

ssh-rsa xxxxx key_name

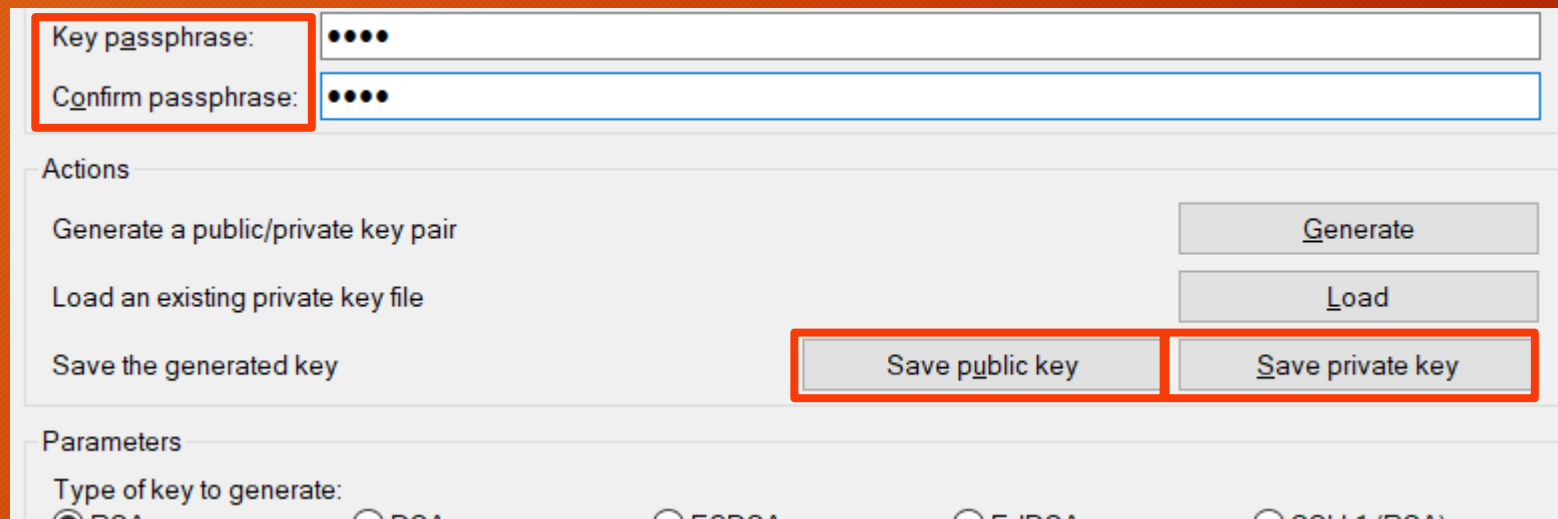
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- Launch PuTTYgen and click on Generate
- Then move your mouse several times in the rectangle to generate a random key



Connect to cluster on Windows

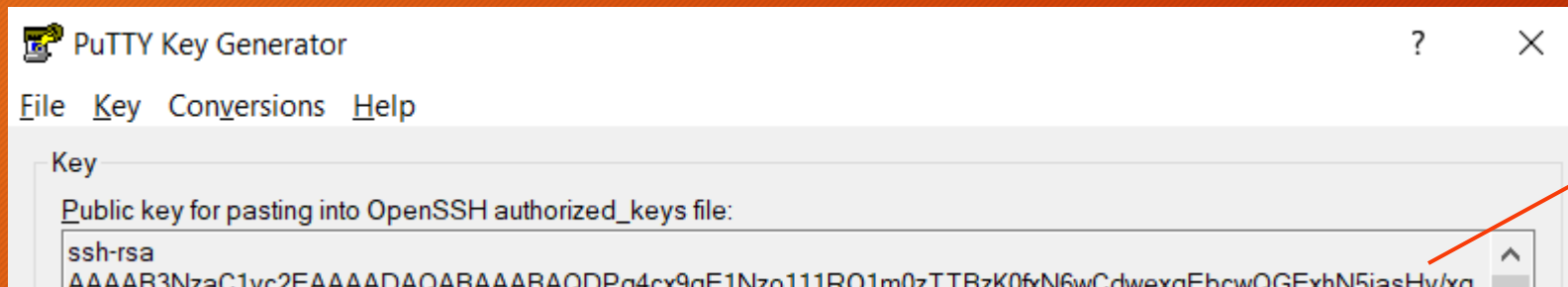
- First, fill in the fields "Key passphrase" and "Confirm passphrase" with your own password
- Then save your keys by clicking on "Save public key" and "Save private key" and download them anywhere you can find them later



The screenshot shows a web-based interface for generating cryptographic keys. At the top, there are two text input fields: "Key passphrase:" and "Confirm passphrase:", both containing four dots to represent masked characters. These two fields are enclosed in a red rectangular box. Below the input fields is a section titled "Actions" which contains three rows of controls. The first row has the text "Generate a public/private key pair" and a button labeled "Generate". The second row has the text "Load an existing private key file" and a button labeled "Load". The third row has the text "Save the generated key" and two buttons: "Save public key" and "Save private key". These two buttons are enclosed in a red rectangular box. Below the "Actions" section is a section titled "Parameters" which starts with the text "Type of key to generate:" followed by several radio button options, some of which are partially visible.

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- Finally, copy the long key you get in
"Public key for pasting into OpenSSH authorized_keys file:"

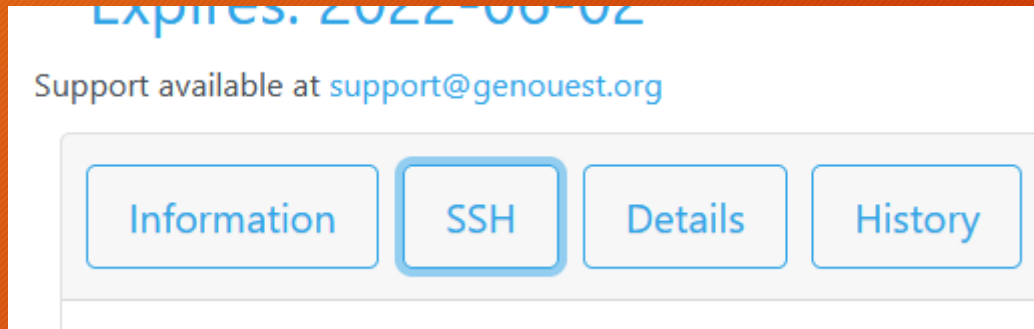


You can right-click
there and choose
« Select all »

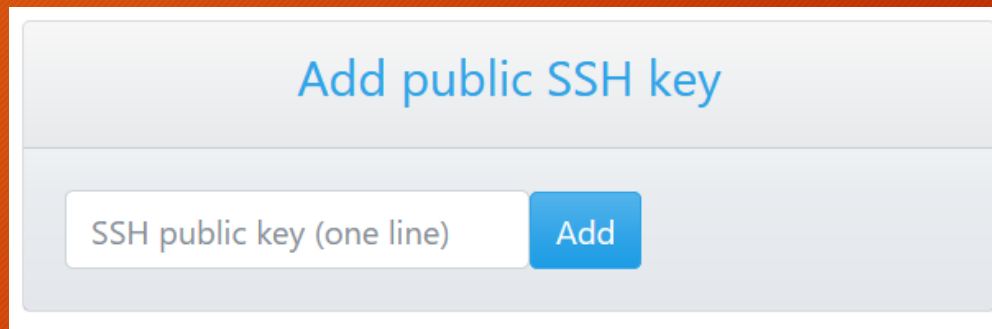
- This is the famous key that looks like this:
ssh-rsa xxxxx key_name
- Now we can go on <https://my.genouest.org/manager2/login>

Connect to cluster on Windows

- If you are correctly logged in, you should see this:



- Click on "SSH" and fill in the new field by pasting the key you got on the previous step

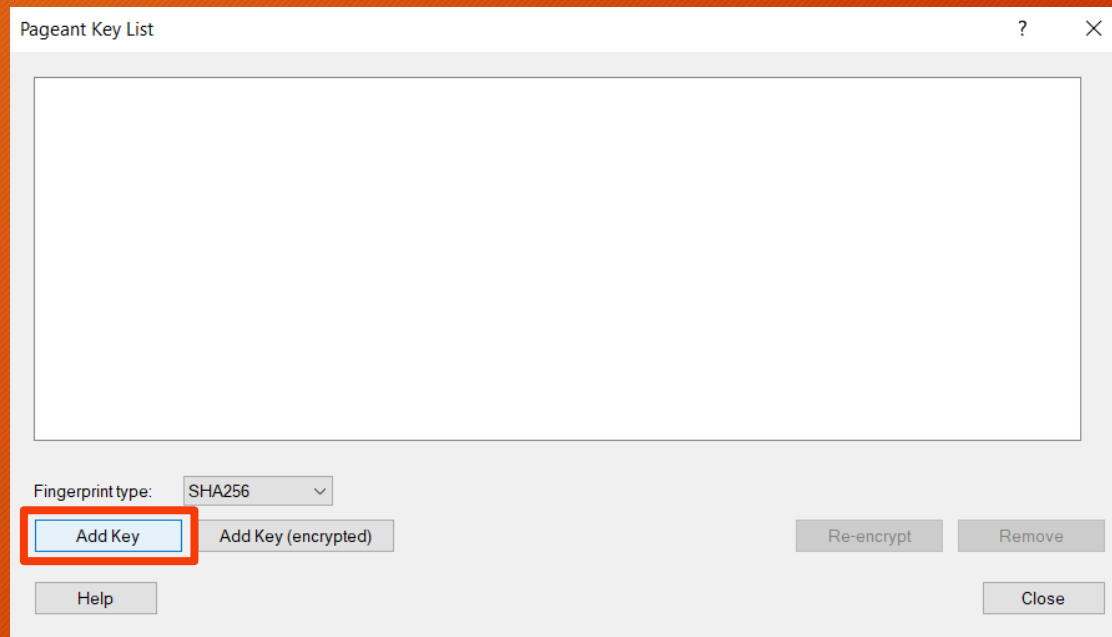
A screenshot of a form titled "Add public SSH key". It has a text input field with the placeholder text "SSH public key (one line)" and a blue button labeled "Add".

And click on "Add"

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- We're almost done !

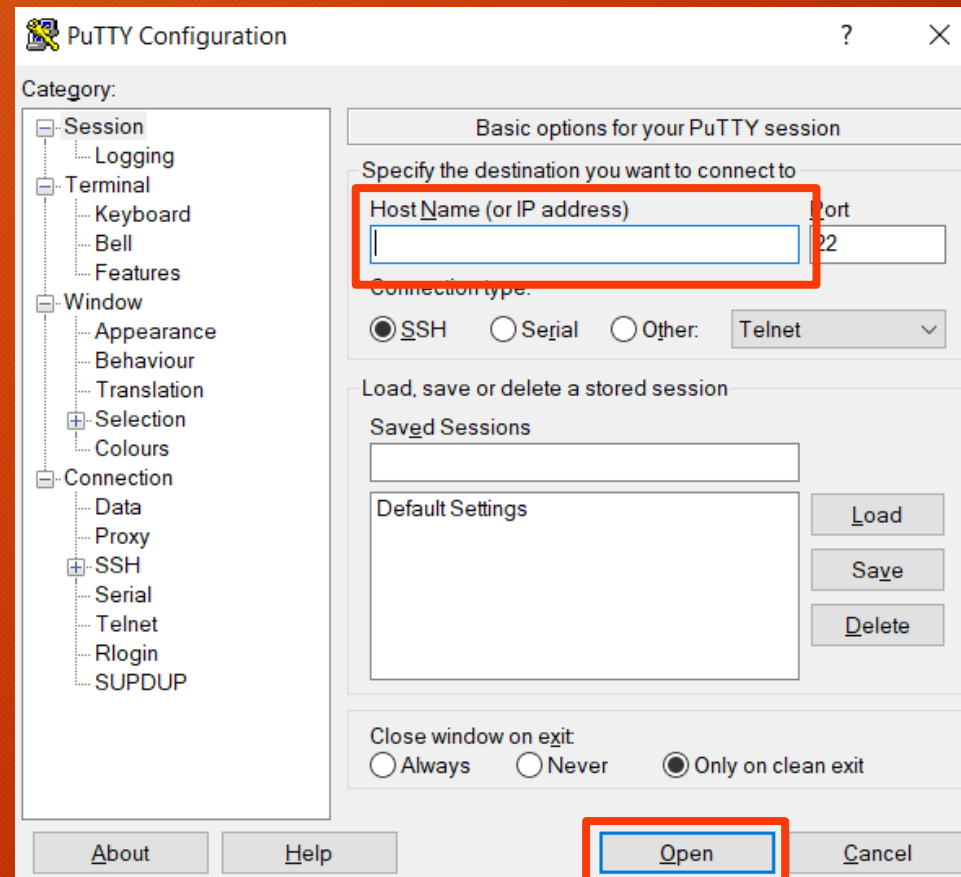
Now, we need to launch Pageant (installed with PuTTY)



- Click on "Add Key" and look for the private key you downloaded a few steps before (you'll need your passphrase)

Connect to cluster on Windows

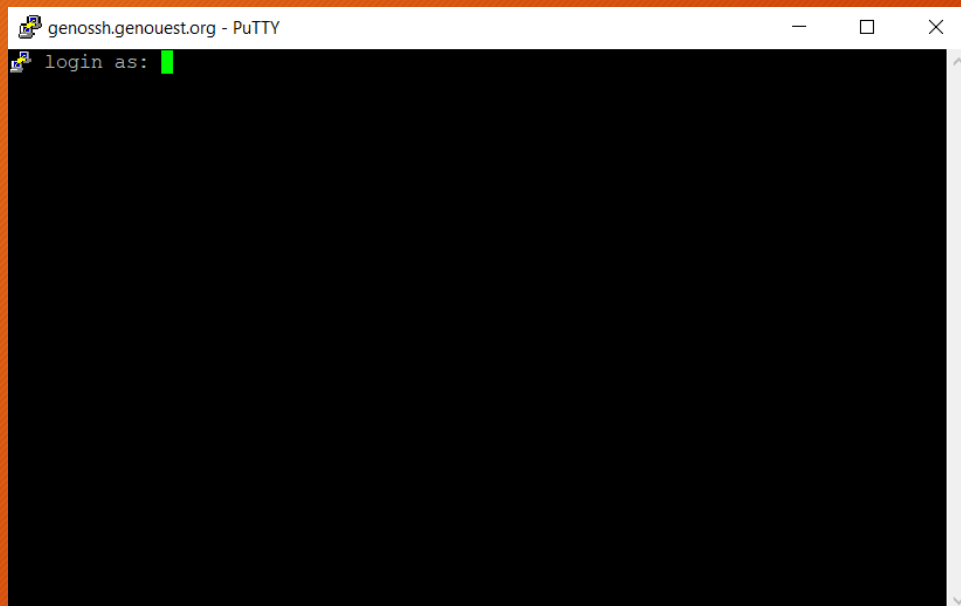
- Finally, launch PuTTY
- At "HostName (or IP address)", you can fill in the field with for example:
 - **genossh.genouest.org**
(to access to the cluster)
 - Or
 - **openstack.genouest.org**
(to access to the cloud)



And click on "Open"

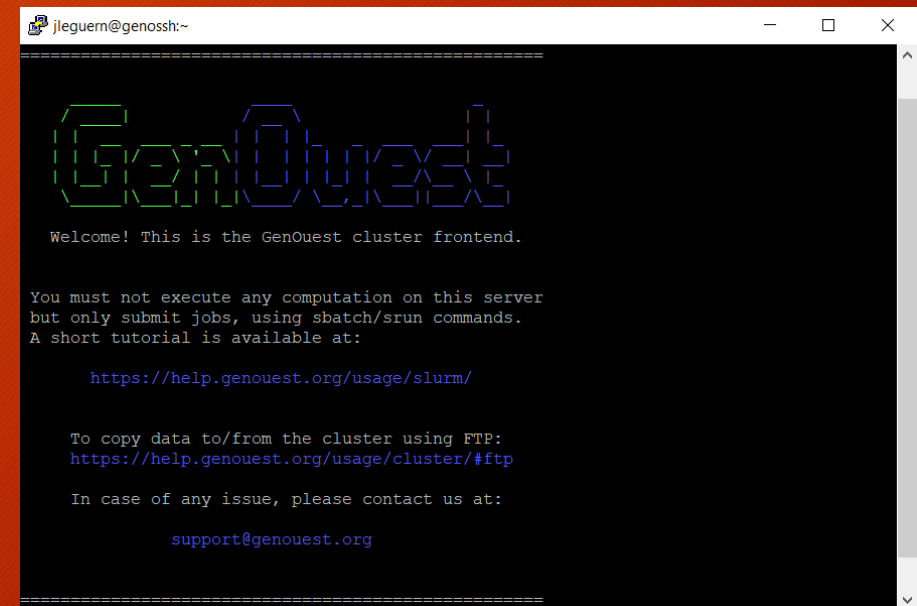
Connect to cluster on Windows

- If you see this, congrats !
- You just need your login (the name of your account in GenOquest)



```
genossh.genouest.org - PuTTY
login as: █
```

- Click on « Enter »
- In the case of the cluster, you should see something like this:



```
jleguern@genossh:~
=====
GenOquest

Welcome! This is the GenOquest cluster frontend.

You must not execute any computation on this server
but only submit jobs, using sbatch/srun commands.
A short tutorial is available at:

    https://help.genouest.org/usage/slurm/

To copy data to/from the cluster using FTP:
https://help.genouest.org/usage/cluster/#ftp

In case of any issue, please contact us at:

    support@genouest.org
=====
```