

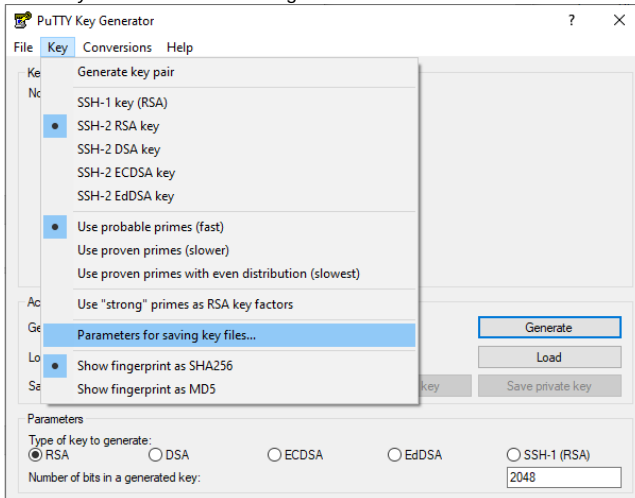
# How to Use Putty with Public Private Tokens

When you would like putty to autologin to the HPC servers without asking for username and password every time you connect.

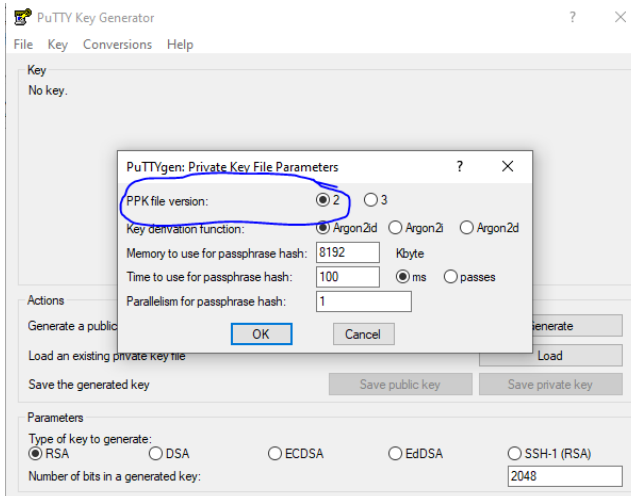
## Step-by-step guide

### Creating the Public/Private Key Pairs

1. Open [puttygen.exe](http://puttygen.exe)
2. Click Key Parameters for Saving File



- a. Set PPK file Version: 2



- b. Click OK
3. Click Generate
    - a. Create some chaos (i.e. jiggle the mouse)
  4. Click Save private key
    - a. Click yes to save it without a passphrase to protect it
    - b. Save it somewhere on a secure location (not "publicly" accessible)
  5. Copy all the text within the "Public key for pasting into OpenSSH authorized\_keys file:" box

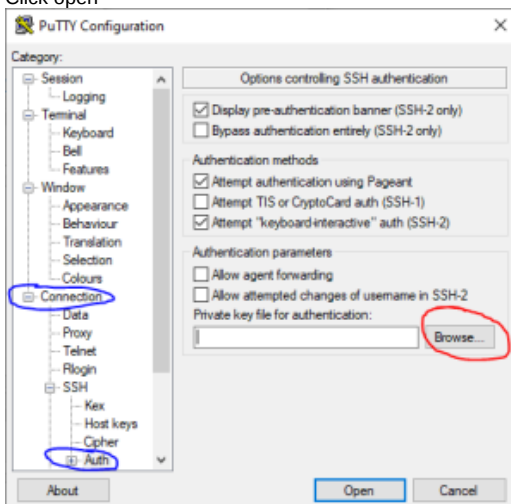


Make sure you copy all the text as there usually is a scrollbar within the box. Your ending text should usually include "rsa-key-" or similar.

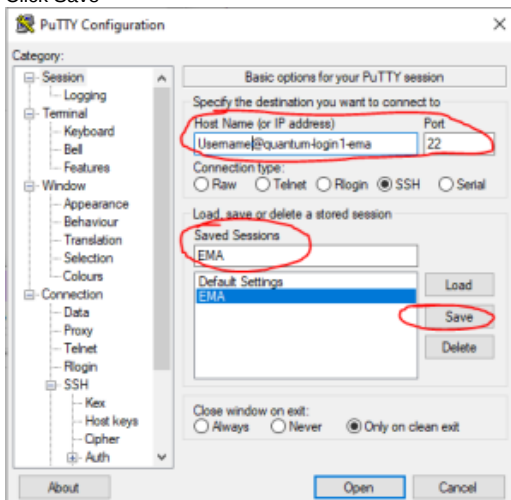
6. Open up a putty terminal
  - a. Connect to HPC of choice
  - b. navigate to ~/.ssh
  - c. Add what you copied (your public key) to a new line in "authorized\_keys" file
    - i. You can use VIM, nano, or other

## Setting Up Putty

1. Open Putty (<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>)
2. ConnectionSSHAAuth
  - a. Under "Private key file for authentication" click Browse
  - b. Navigate to your private key file that you saved in [step 4](#)
  - c. Click open



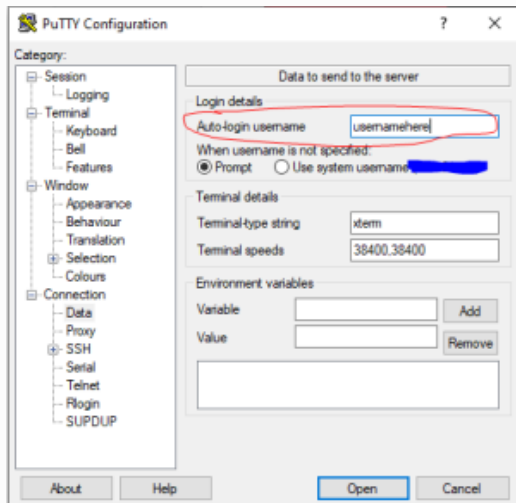
3. Go back to session
  - a. In "Host Name (or IP address)" put in: username@quantum-login1-ema
    - i. Port: 22
4. Don't forget to save your session so you don't have to repeat these steps
  - a. Under "Saved Sessions" box enter a session name (e.g. EMA)
  - b. Click Save





### Skip the Username

If you want putty to automatically use a predefined username you can set it in ConnectionData



## Related articles

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- [How to Use Putty with Public Private Tokens](#)