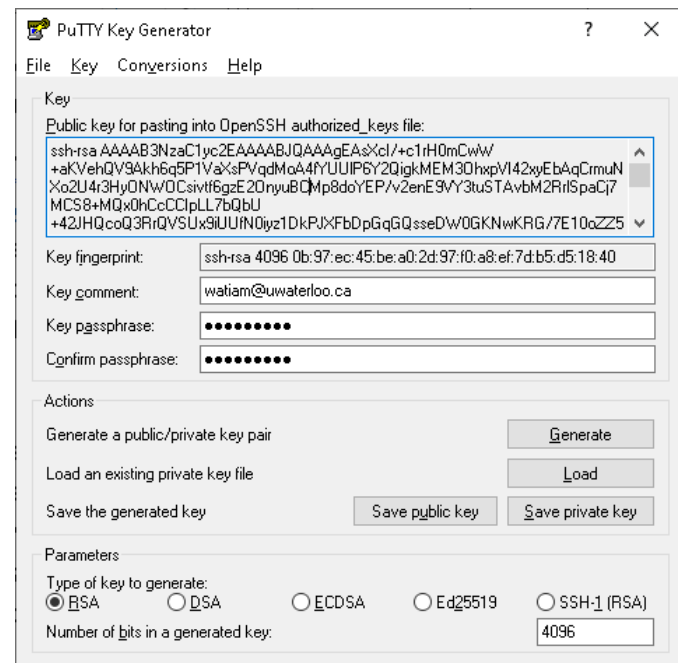


Procedure to generate a ssh public/private key pair to access QITI drive.

We use SFTP protocol to access the QITI drive (used to store data and other project files). This needs you to generate a public and private key pair using a software “putty-gen”

- 1) Linux/Windows/Mac: Download putty tools from this website <https://www.puttygen.com/download.php?val=4>
- 2) After installation launch puttygen.exe
- 3) For “Type of key to generate”, select **RSA**
- 4) For “Number of bits in generated key” select **4096**
- 5) Click the Generate button.
- 6) Move the mouse around until the key generation process is complete.
- 7) In ‘key comment’ enter your uwaterloo email (watiam@uwaterloo.ca)
- 8) Type a secure passphrase in “Key Passphrase” field (this will be the password you would use to access the QITI drive, make sure to remember it)
- 9) Click on “save private key”. Save this file in a secure location and **do not share** it with anyone else. This is used to access the QITI drive.
- 10) Copy the contents from the field labeled “**Public key for pasting into OpenSSH authorized_keys file**” and paste in the relevant section of the QITI access google form to gain access.
- 11) More instructions to access the QITI drive will be emailed to you once the google form is submitted.



References:

- [1] <https://docs.joyent.com/public-cloud/getting-started/ssh-keys/generating-an-ssh-key-manually/manually-generating-your-ssh-key-in-windows>
- [2] [https://en.wikipedia.org/wiki/RSA_\(cryptosystem\)](https://en.wikipedia.org/wiki/RSA_(cryptosystem))
- [3] https://en.wikipedia.org/wiki/SSH_File_Transfer_Protocol