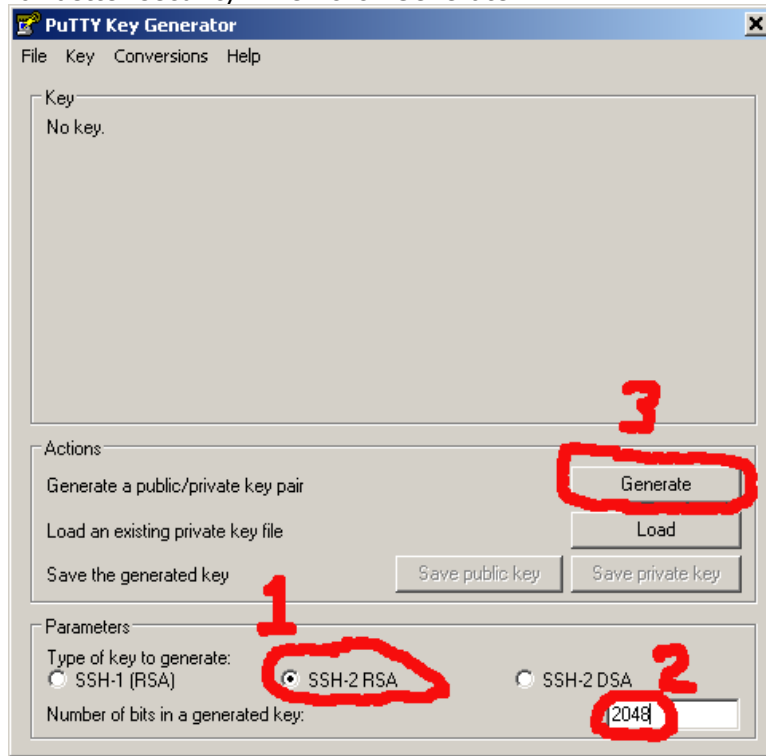
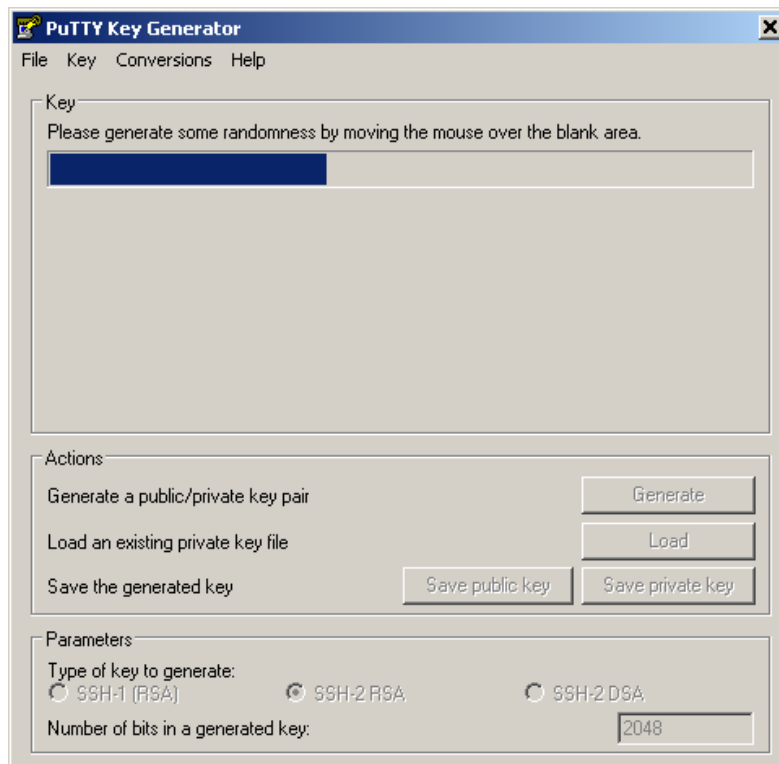


Creating and Copying Your Key-Pair in PuTTY SSH Client

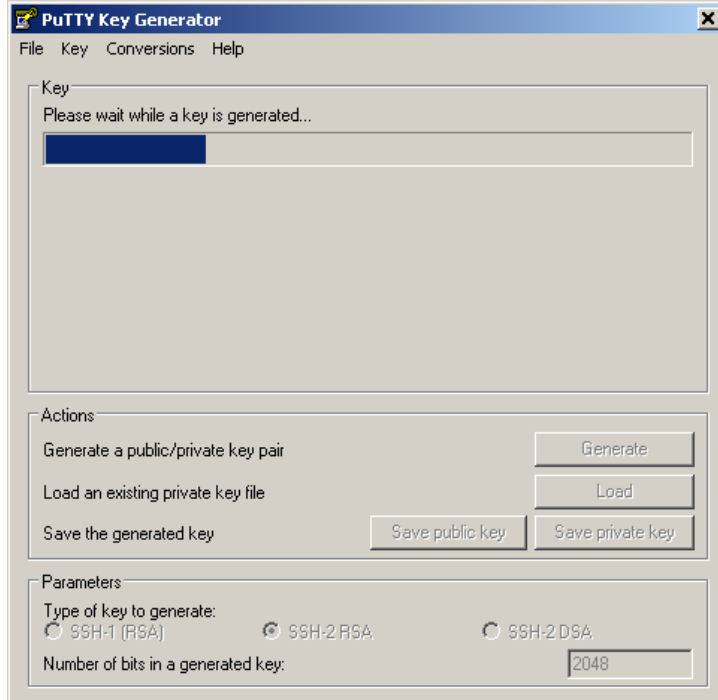
1. Start puttygen. Select SSH2 DSA. Change Number of bits from 1024 bits to 2048 bits for better security. Then click Generate.



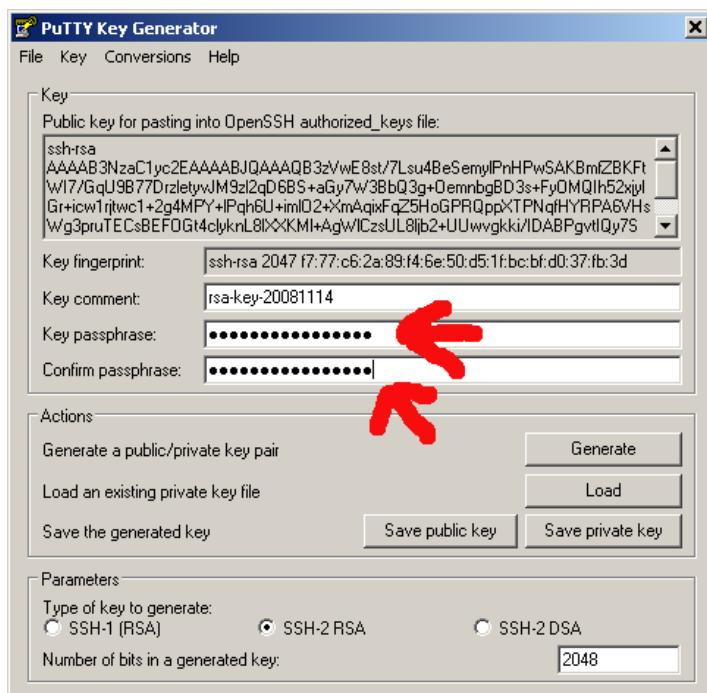
2. Move the mouse around inside the Putty Key Generator window until the bar fills up.
- 3.



4. Wait for the program to generate the key... it may take several minutes.

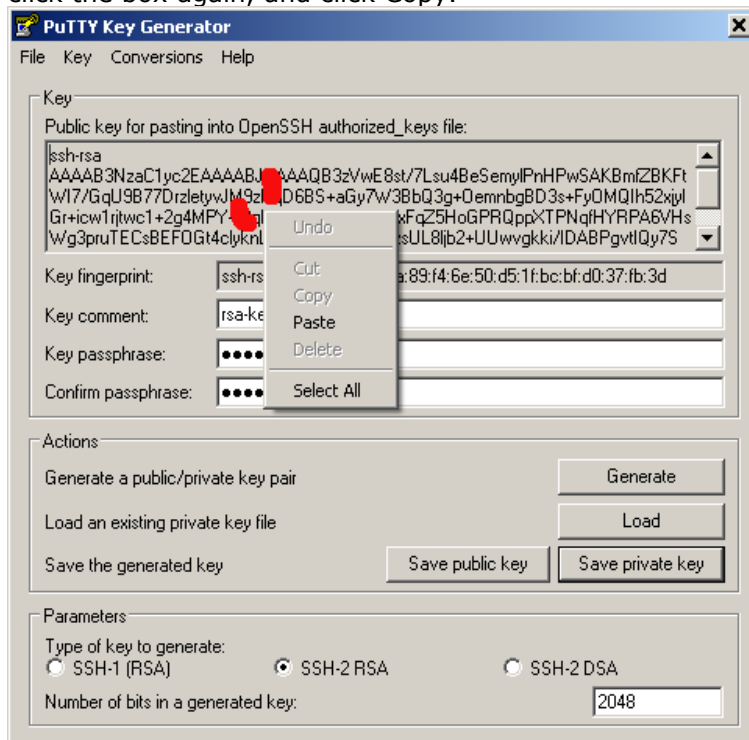


- 5.
6. Once it is complete, you can add or change the key comment, as well as add a passphrase.



7. Click "Save private key" and save it some place safe.

8. Right click the large box that has text starting with "ssh-dss", click Select All. Right click the box again, and click Copy.



9. OPTIONAL: If you want to copy the private key (for use with Linux, Unix, or Macintosh) then you can choose the Conversions menu and one of the 'export' options such as 'rsa'. To save it for use on your student.cs account, you will probably want to copy it to linux.student.cs into your '.ssh' directory, as 'id_rsa'.

10. You may now close the PuTTY Key Generator and start Putty.

11. Connect to your SSH server, and type the following:

```
12.         mkdir -f ~/.ssh
13.         vi ~/.ssh/authorized_keys
```

Press a (lowercase a) and right click the PuTTY window. The ssh-dss text will be pasted in.

Press ESC followed by ZZ (that's pressing capital Z twice).

To use public key, start PuTTY, click Auth under SSH in PuTTY, and click Browse... to choose the private key file

You may then go back to Session and click Save to save the changes to your session.