

# Steps to convert private key from putty format to openssh format

1. Navigate to the folder where putty is installed.

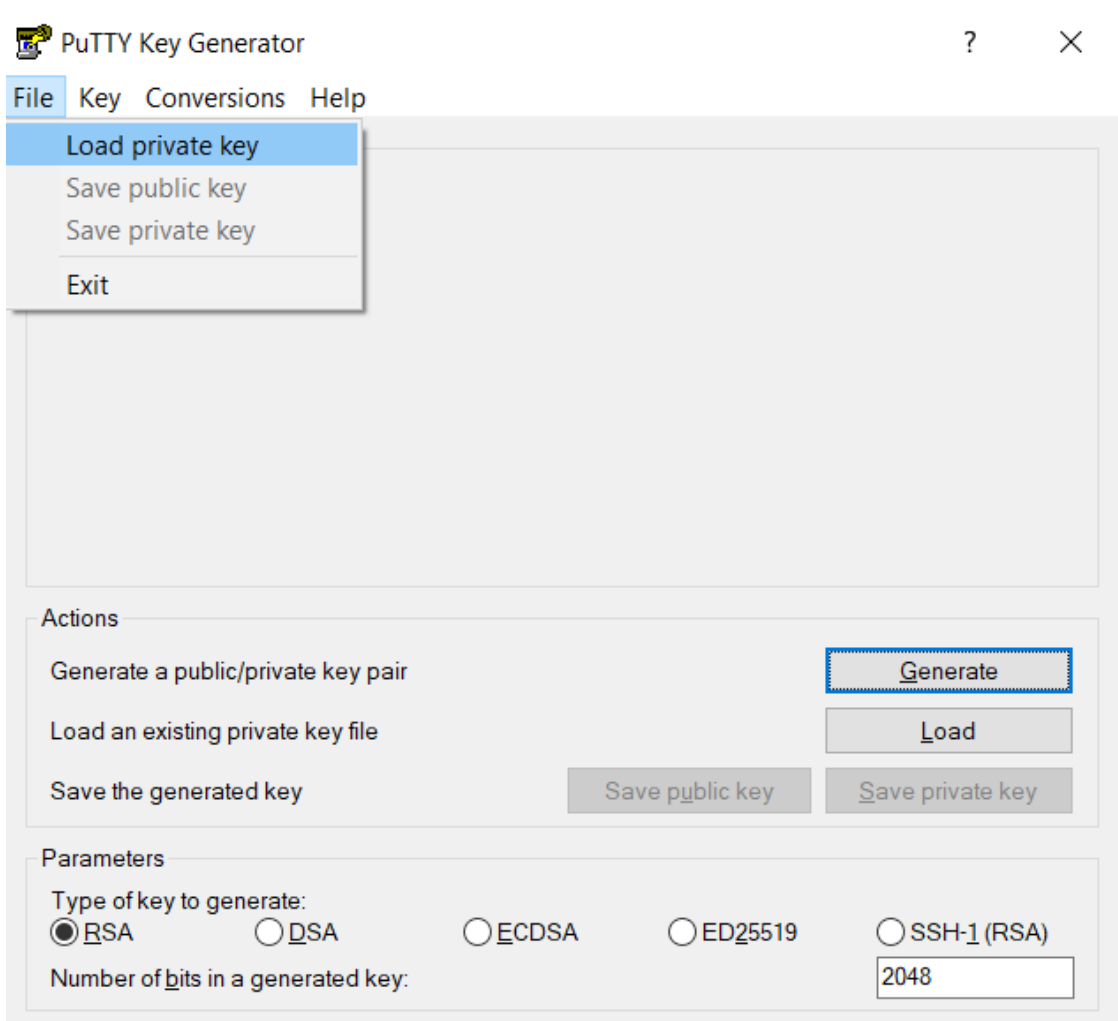
is PC > Local Disk (C:) > Program Files > PuTTY

Name	Date modified	Type	Size
LICENCE	04-07-2017 19:31	File	2 KB
pageant.exe	04-07-2017 19:34	Application	307 KB
plink.exe	04-07-2017 19:34	Application	603 KB
pscp.exe	04-07-2017 19:34	Application	613 KB
psftp.exe	04-07-2017 19:34	Application	629 KB
putty.chm	04-07-2017 19:31	Compiled HTML H...	277 KB
putty.exe	04-07-2017 19:34	Application	835 KB
puttygen.exe		Application	398 KB
README.txt		Text Document	2 KB
website		Internet Shortcut	1 KB

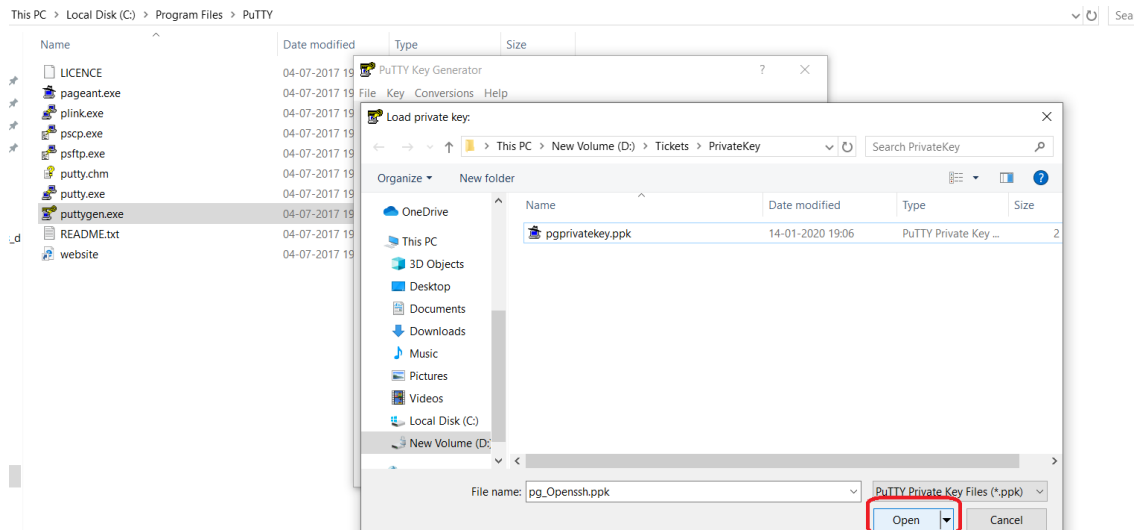
File description: SSH, Telnet and Rlogin client  
Company: Simon Tatham  
File version: 0.70.0.0  
Date created: 04-07-2017 19:34  
Size: 834 KB

2. Double click on puttygen.exe to open the PuttyGen Key Generator.

3. On the PuttyGen Key Generator, click on the menu FileLoad private key

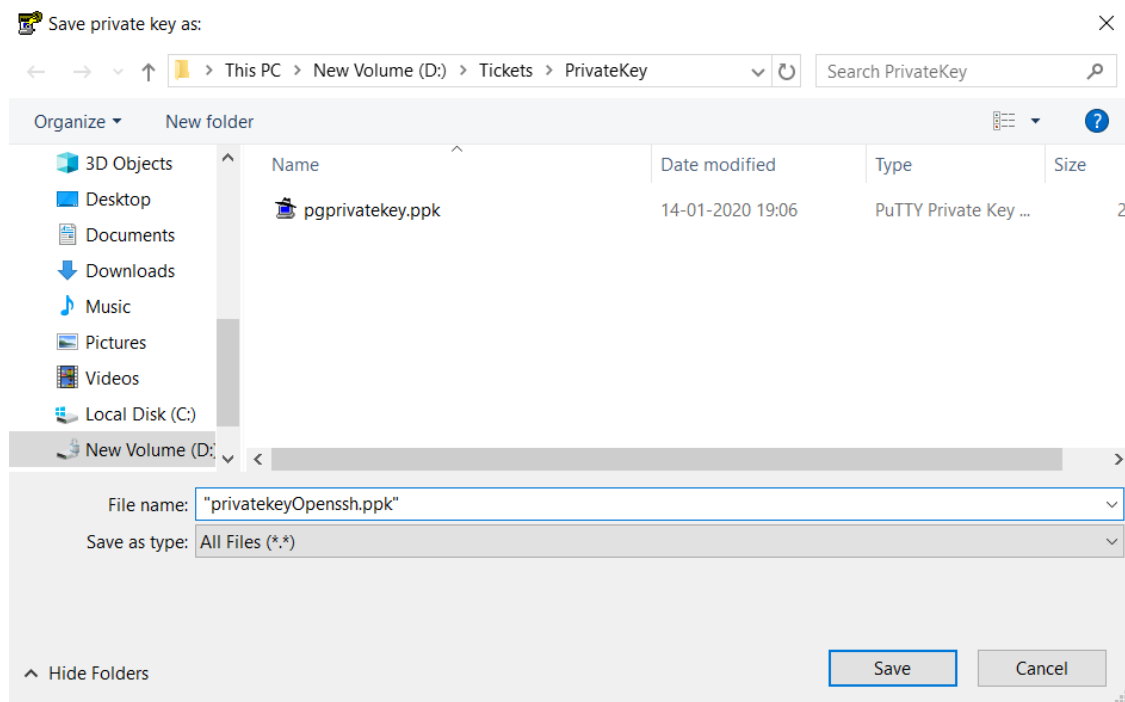


4. Select the private key which has to be converted to the openssh format and click on Open.



5. Now from the menu click on Conversions Export OpenSSH key

6. Save the key by clicking on Save.



7. The generated key will be in openssh format.

Please note: There are sometimes errors encountered when connecting to sftp.wipo.int with the private key in putty format (see error below). In this case it becomes necessary to convert the key to openssh format.

```

current date as last extraction date in config.properties file
2020-08-07 17:06:09 INFO ExtractionProcessor:382 - =====
=====
com.jcraft.jsch.JSchException: The cipher 'aes256-cbc' is required, but it is
t available.
    at com.jcraft.jsch.KeyPair.loadPPK(KeyPair.java:1081)
    at com.jcraft.jsch.KeyPair.load(KeyPair.java:615)
    at com.jcraft.jsch.KeyPair.load(KeyPair.java:561)
    at com.jcraft.jsch.IdentityFile.newInstance(IdentityFile.java:40)
    at com.jcraft.jsch.JSch.addIdentity(JSch.java:406)
    at org.wipo.wp.executor.SftpUtil.setupSFTPConnection(SftpUtil.java:47)
    at org.wipo.wp.executor.SftpUtil.uploadExtractedData(SftpUtil.java:12
a:75)
2020-08-07 17:06:12 ERROR ExtractionProcessor:82 - The cipher 'aes256-cbc' is
quired, but it is not available.
2020-08-07 17:06:12 INFO ExtractionProcessor:84 - =====

```

