How to connect to PFTS

MAC / LINUX

Generate a password-less SSH Key Pair

From your MAC open a Terminal session or from wherever the files will be transferred from/to:

$ **ssh-keygen -t rsa -b 4096 -f ~/.ssh/pfts-user**
Generating public/private rsa key pair.
Enter passphrase (empty for no passphrase): **Hit Enter**
Enter same passphrase again: **Hit Enter**
Your identification has been saved in /Users/corpid/.ssh/pfts-user.
Your public key has been saved in /Users/corpid/.ssh/pfts-user.pub.
The key fingerprint is:
SHA256:xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
The key's randomart image is:
+---[RSA 4096]----+
Data removed from here
Data removed from here
Data removed from here
+----[SHA256]-----+

$ **mv ~/.ssh/pfts-user .ssh/pfts-user.pem**

$ **ls ~/.ssh/pfts-user***
pfts-user.pem pfts-user.pub

If necessary, change the permissions on the files

$ **chmod 700 ~/.ssh/pfts-user.pem**
$ **chmod 444 ~/.ssh/pfts-user.pub**

$ **cat ~/.ssh/pfts-user.pub**

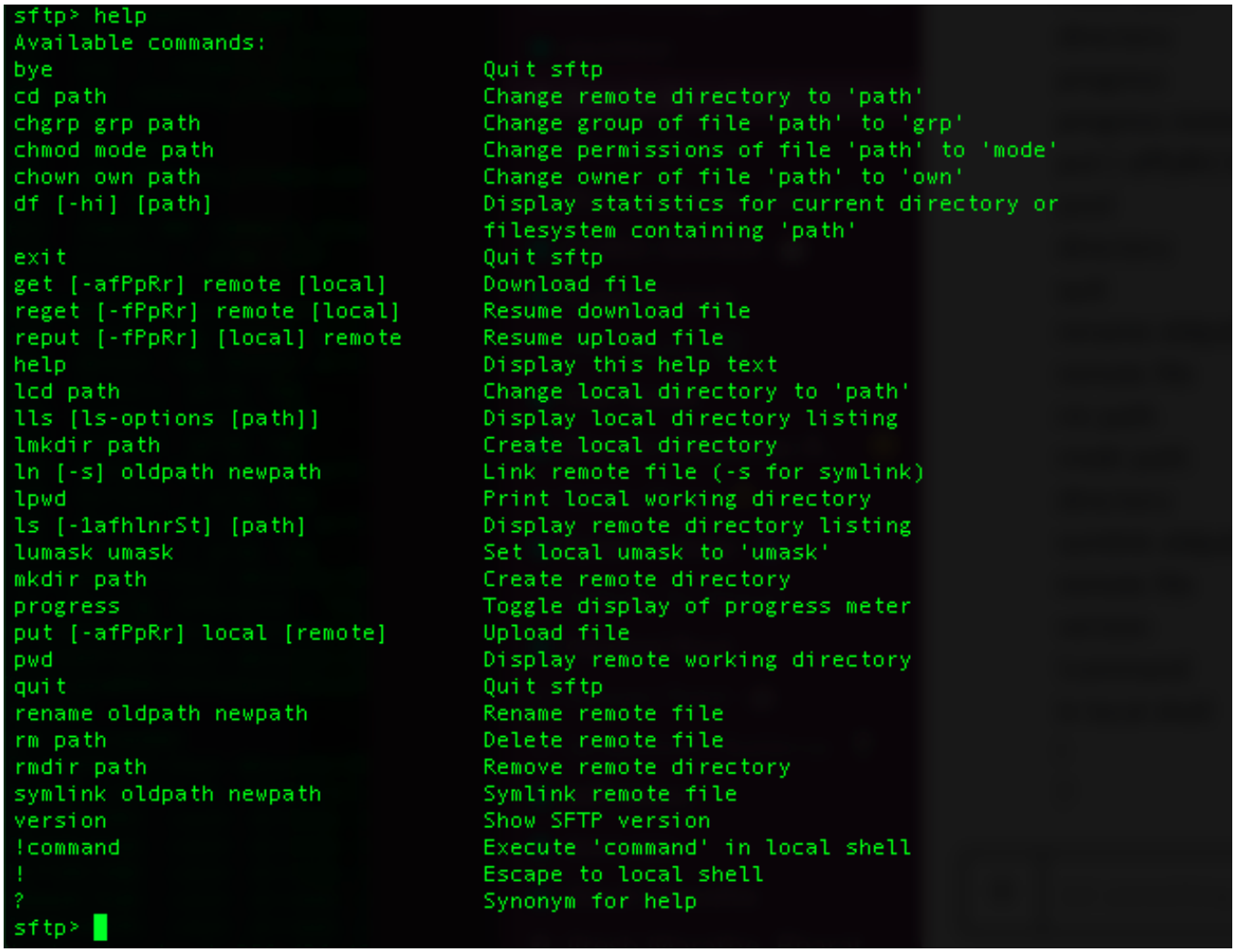
Send the contents of the **pfts-user.pub** to your PFTS Admin

When we receive the SSH public key, an account for the vendor will be created with the public key installed.

Connect to PFTS using SFTP on MAC/Linux

$ **sftp -i ~/.ssh/pfts-user.pem *pfts-user*@pfts.intuit.com**
Warning: Permanently added 'pfts.intuit.com,10.10.10.10' (RSA) to the list of known hosts.
****
This is a private computer system containing information that is proprietary
and confidential to the owner of the system. only individuals or entities
authorized by the owner of the system are allowed to access or use the system.
Any unauthorized access or use of the system or information is strictly prohibited.

All violators will be prosecuted to the fullest extent permitted by law.
****
Connected to pfts.intuit.com.
sftp> **help**



From here, you can put and get files as needed.

WINDOWS

Generate a password-less SSH Key Pair

Download the PuTTY RSA and DSA key generation utility
If your OS is 32-bit: download here
If your OS is 64-bit: download here

Download the PuTTY SFTP client, i.e. general file transfer sessions much like FTP
If your OS is 32-bit: download here
If your OS is 64-bit: download here

Move the PuTTY programs to your home directory by following these steps:

Launch a Command Prompt and make sure you are in your home directory

```
C:\Users\corpid> move Downloads\puttygen.exe  .
C:\Users\corpid> move Downloads\psftp.exe  .
```

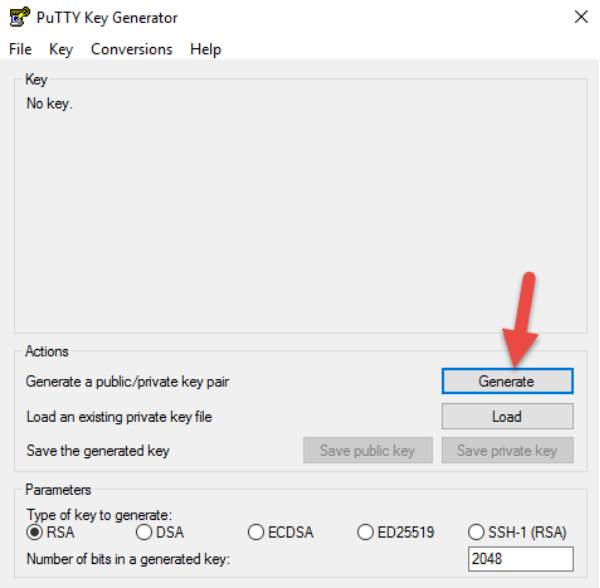
Create a folder named, .ssh, if not already created

```
C:\Users\corpid> mkdir .ssh
```

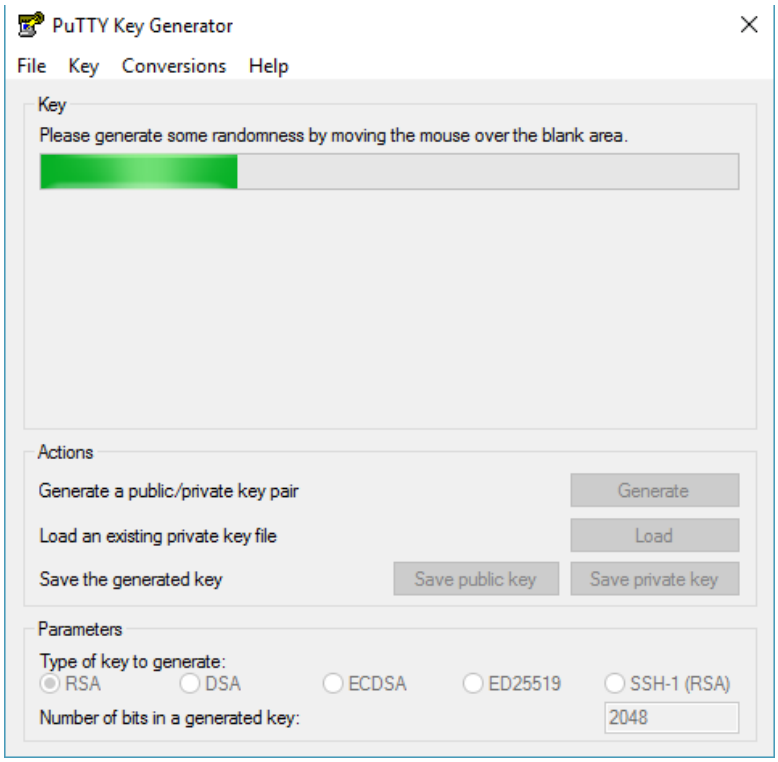
Launch PuTTY Key Generator

```
C:\Users\corpid> puttygen.exe
```

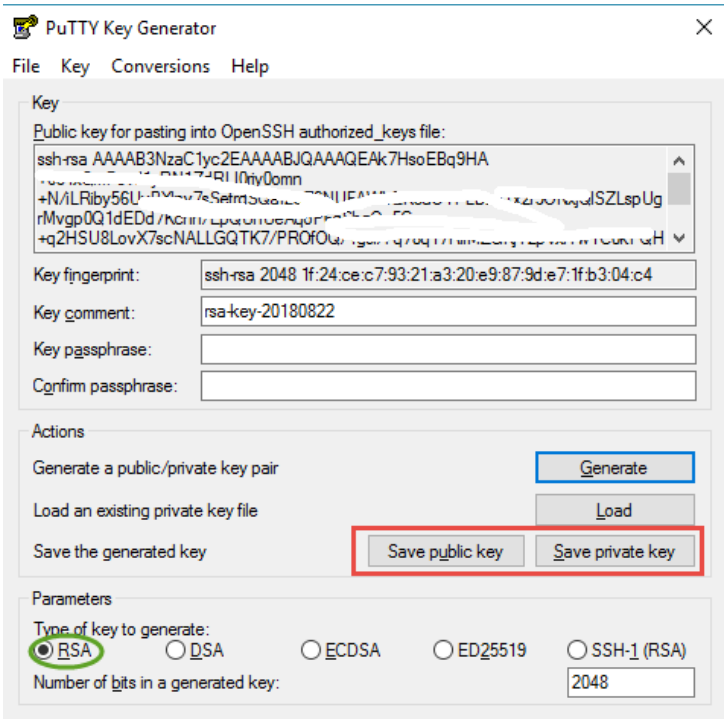
Click **Generate**



Move your cursor around in the Key field to generate a key



Leave the Key passphrase fields **blank**.
Leave **RSA** checked



Click **Save public key** and **Save private key**

Save the keys in the .ssh folder you just created under your home directory.

Example: C:\Users\corpid\.ssh\
pfts-user.pub for the Public key

Ignore the warning about not using a passphrase.
pfts-user for the Private key. It will automatically use the extension .ppk

Send the contents of the **pfts-user.pub** to your PFTS Admin

When we receive the SSH public key, an account for the vendor will be created with the public key installed.

Connect to PFTS using command line

NOTE: Use the PFTS account name provided to you by Intuit in replace of *pfts-user* below.

C:\Users\corpid>**psftp.exe -i ..\.ssh\pfts-user.ppk *pfts-user*@pfts.intuit.com**
The server's host key is not cached in the registry. You
have no guarantee that the server is the computer you
think it is.
The server's rsa2 key fingerprint is:

ssh-rsa 1024 xx:xx:xx:xx:c9:38:ef:d4:55:xx:xx:3e:35:f5:2f:66
If you trust this host, enter "y" to add the key to
PuTTY's cache and carry on connecting.
If you want to carry on connecting just once, without
adding the key to the cache, enter "n".
If you do not trust this host, press Return to abandon the
connection.
Store key in cache? (y/n)**y**

Using username "pfts-user".
****
This is a private computer system containing information that is proprietary
and confidential to the owner of the system. only individuals or entities
authorized by the owner of the system are allowed to access or use the system.
Any unauthorized access or use of the system or information is strictly
prohibited.

All violators will be prosecuted to the fullest extent permitted by law.
****
Remote working directory is /
psftp> **help**

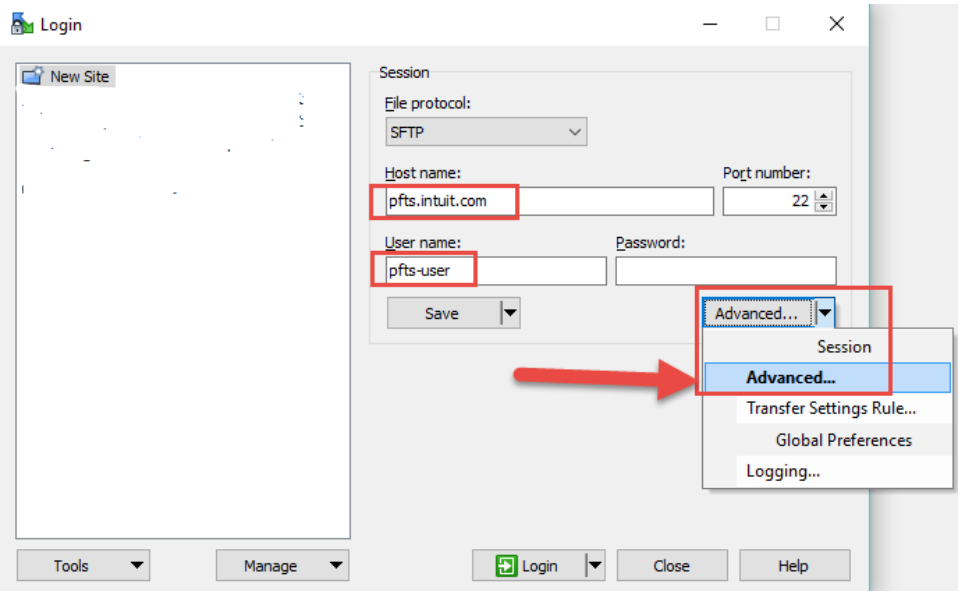
```
psftp> help
!       run a local command
bye     finish your SFTP session
cd      change your remote working directory
chmod   change file permissions and modes
close   finish your SFTP session but do not quit PSFTP
del     delete files on the remote server
dir     list remote files
exit    finish your SFTP session
get     download a file from the server to your local machine
help    give help
lcd     change local working directory
lpwd    print local working directory
ls      list remote files
mget    download multiple files at once
mkdir   create directories on the remote server
mput    upload multiple files at once
mv      move or rename file(s) on the remote server
open    connect to a host
put     upload a file from your local machine to the server
pwd     print your remote working directory
quit    finish your SFTP session
reget   continue downloading files
ren     move or rename file(s) on the remote server
reput   continue uploading files
rm      delete files on the remote server
rmdir   remove directories on the remote server
psftp>
```

Connect to PFTS using WinSCP

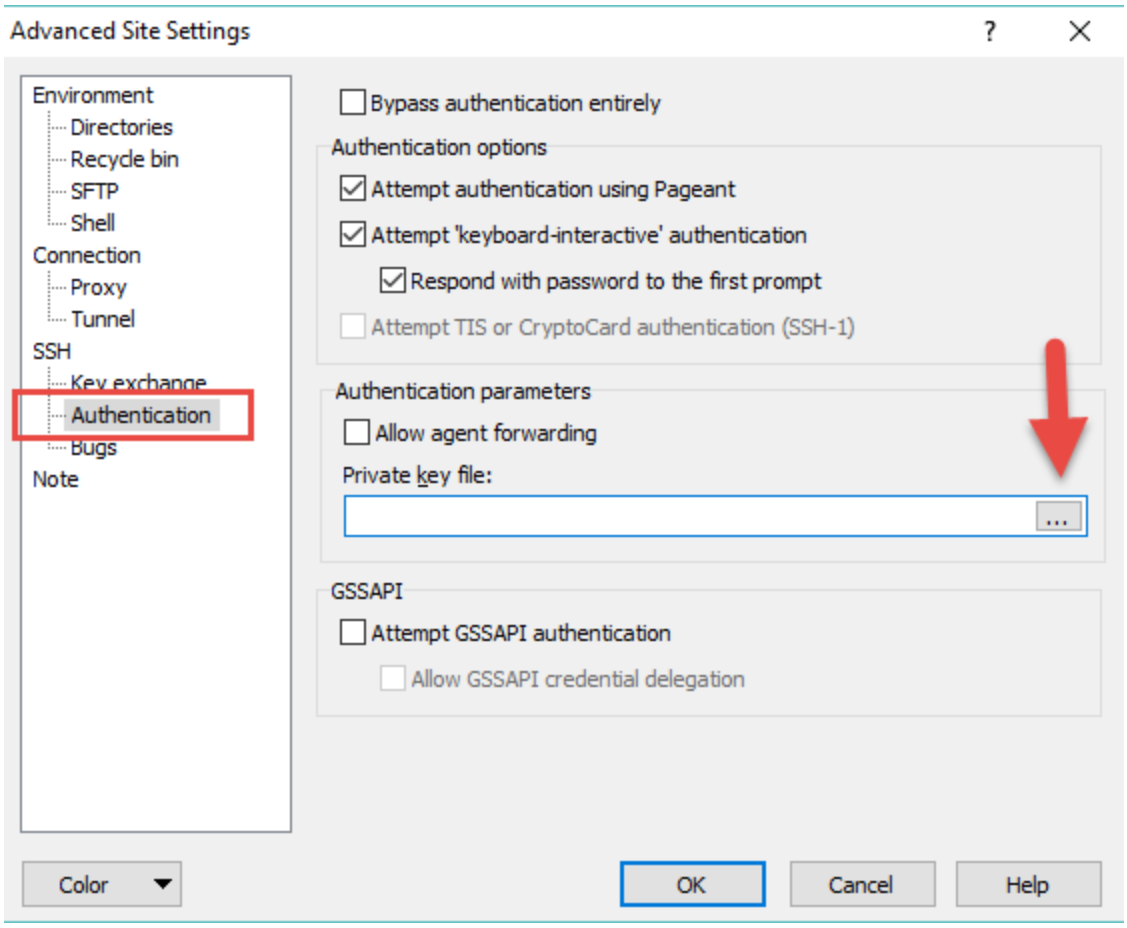
Launch the WinSCP application

Protocol: **SFTP**
Host name: **pfts.intuit.com**

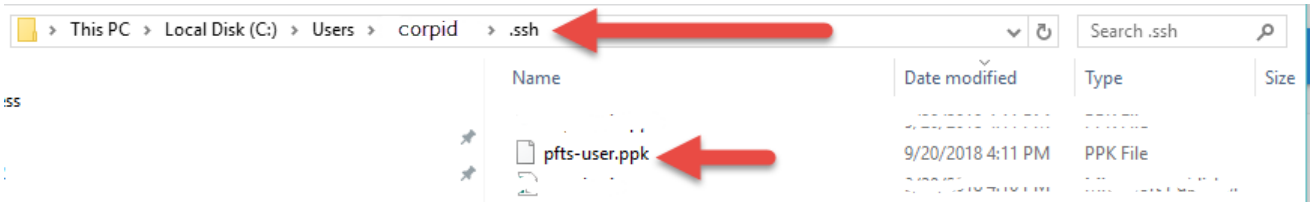
User Name: Use the account name assigned to you by Intuit, *pfts-user* is an example only
Click **Advanced**



Click **Authentication**
Click the three dots under Private key file

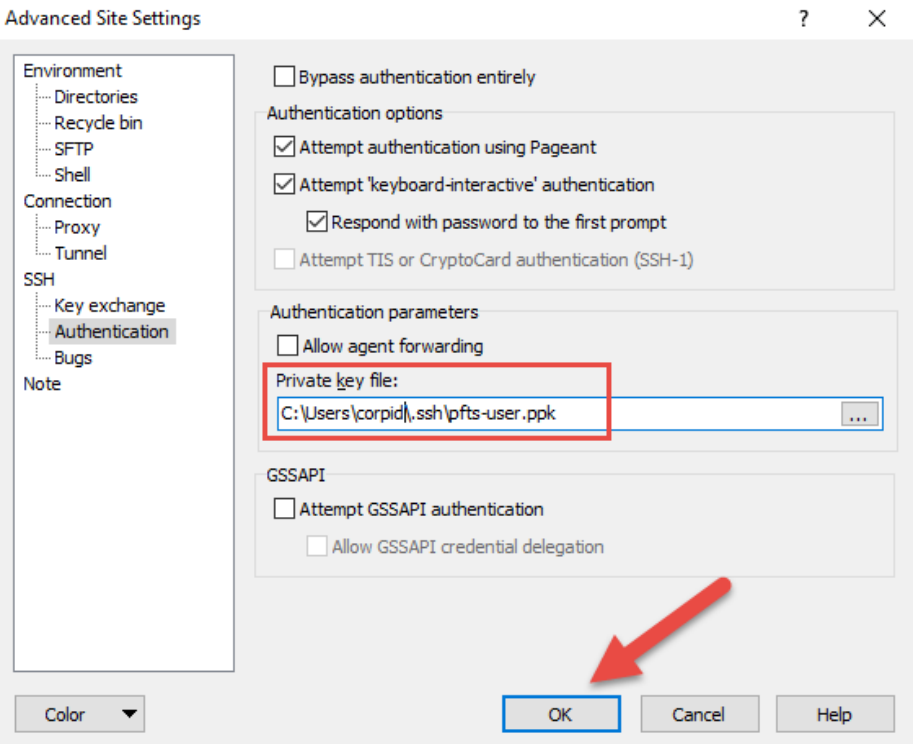


Locate the Private key you created earlier using PuTTY under “Generateing an SSH Key Pair”. Select the file with the .ppk extension. Double click on the file.

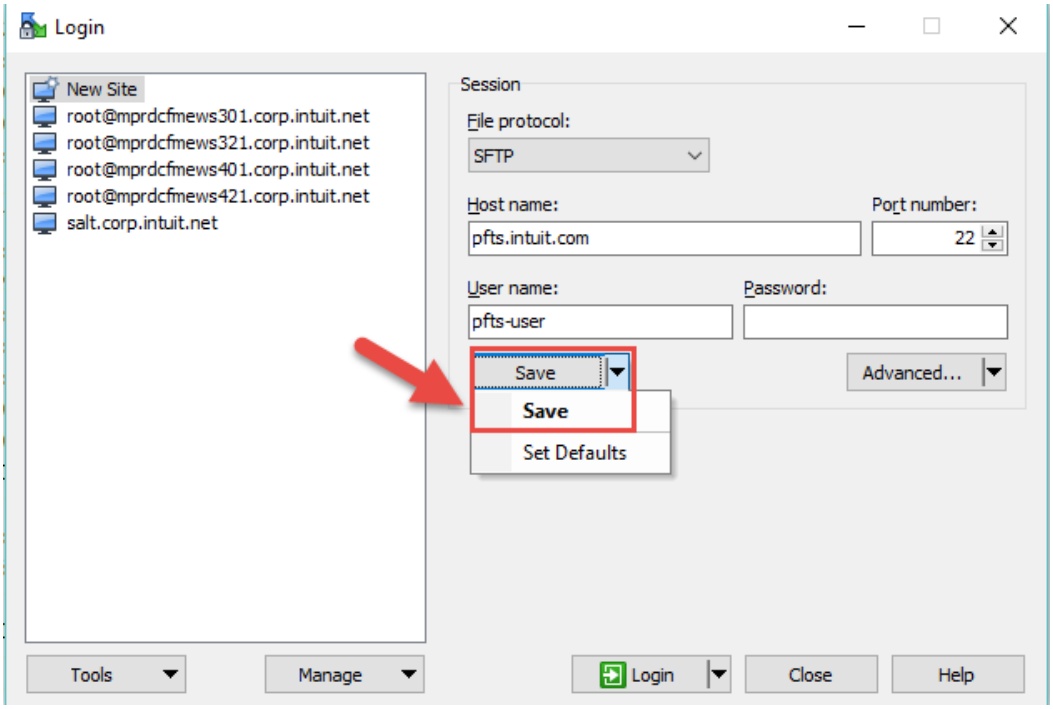


The Private key should be loaded.

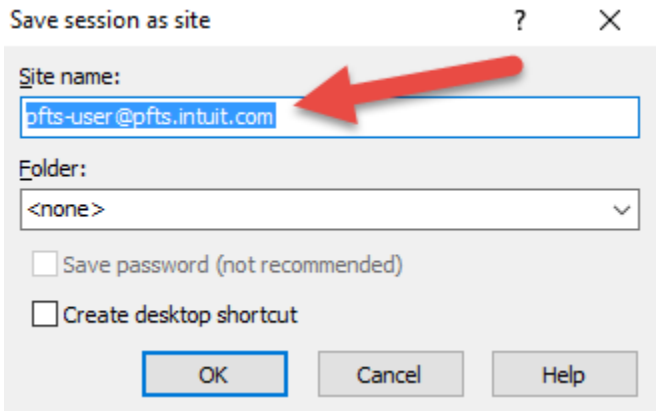
Click **OK**



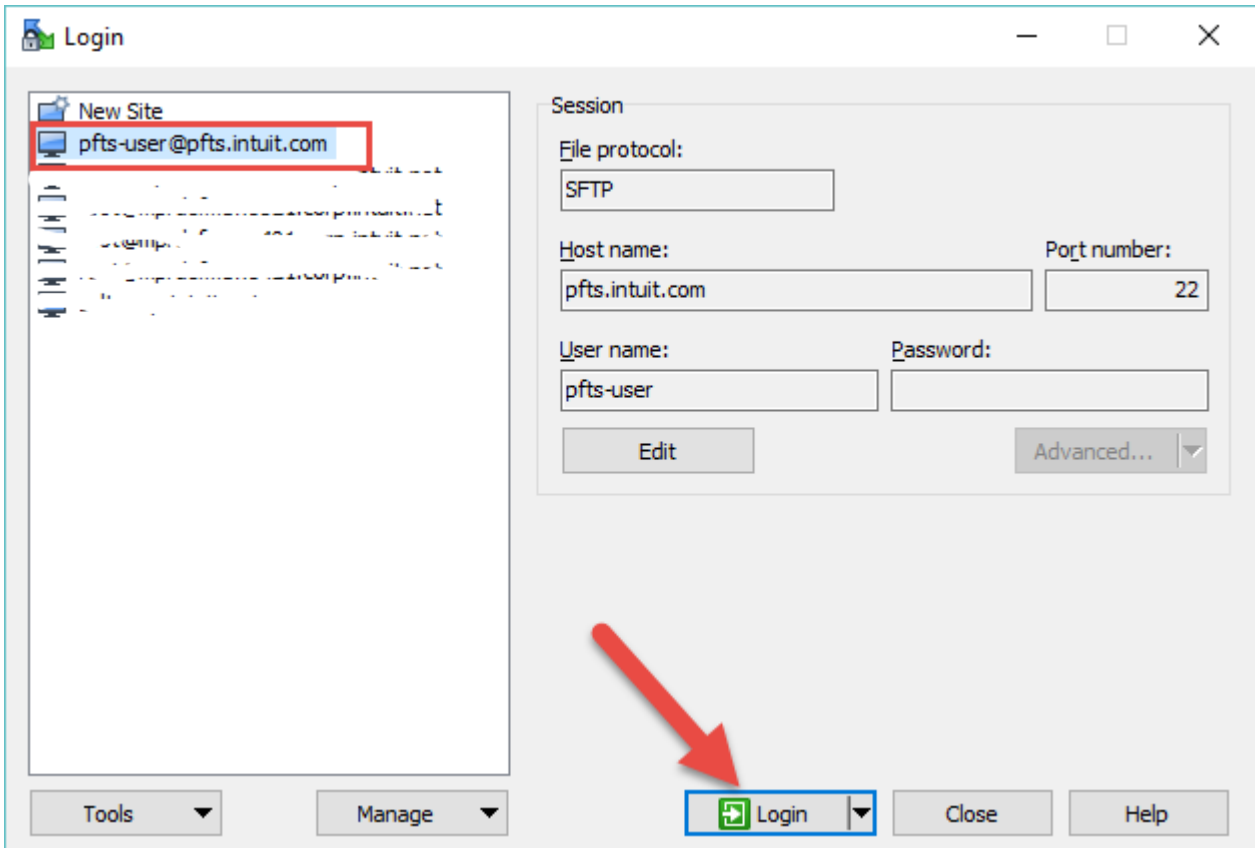
Click Save – Save



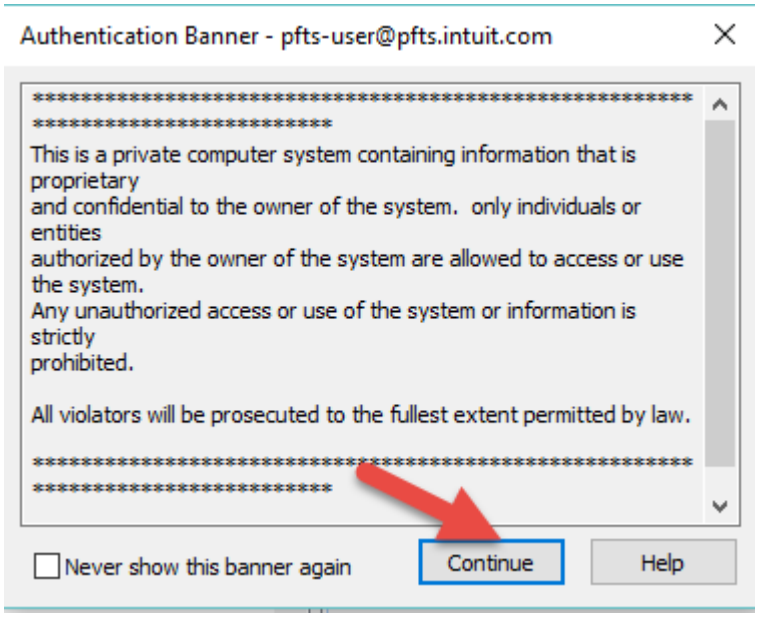
By default, the site name is auto populated but you can name it anything you want and click OK.



Highlight the new connection and click **Login**



Click **Continue**



To bypass this screen in the future, click “Never show this banner again”

You are now be logged into PFTS where you can drop files to your designated folder.