# intuit.

# 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:xxxxxxxxxxxxxxxxxxxxxxxxx The key's randomart image is: +---[RSA 4096]----+ Data removed from here Data removed from here +----[SHA256]----+

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

\$ls ~/.ssh/pfts-user\*
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

briep, neep	
Available commands:	
bye	Quit sftp
cd path	Change remote directory to 'path'
chgrp grp path	Change group of file 'path' to 'grp'
chmod mode path	Change permissions of file 'path' to 'mode'
chown own path	Change owner of file 'path' to 'own'
df [-hi] [path]	Display statistics for current directory or
	filesystem containing 'path'
exit	Quit sftp
get [-afPpRr] remote [local]	Download file
reget [-fPpRr] remote [local]	Resume download file
reput [-fPpRr] [local] remote	Resume upload file
help	Display this help text
lcd path	Change local directory to 'path'
lls [ls-options [path]]	Display local directory listing
lmkdir path	Create local directory
<pre>ln [-s] oldpath newpath</pre>	Link remote file (-s for symlink)
lpwd	Print local working directory
ls [-1afhlnrSt] [path]	Display remote directory listing
lumask umask	Set local umask to 'umask'
mkdir path	Create remote directory
progress	Toggle display of progress meter
<pre>put [-afPpRr] local [remote]</pre>	Upload file
pwd	Display remote working directory
quit	Quit sftp
rename oldpath newpath	Rename remote file
rm path	Delete remote file
rmdir path	Remove remote directory
symlink oldpath newpath	Symlink remote file
version	Show SFTP version
!command	Execute 'command' in local shell
	Escape to local shell
?	Synonym for help
sftp>	

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: <u>download here</u> If your OS is 64-bit: <u>download here</u>

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

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



😴 PuTTY K	ey Generator				×
File Key	Conversions	Help			
Key No key.					1
Actions					
Generate a	public/private	key pair			Generate
Load an ex	isting private ke	y file			Load
Save the g	enerated key		Save pu	ublic key	Save private key
Parameters Type of key	y to generate: ODSA bits in a general	) ECI ed key:	osa C	) ED25519	O SSH-1 (RSA) 2048

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

😴 PuTTY Key Generator		×
File Key Conversions Help		
Key Please generate some randomness by mo	oving the mouse over the blank area.	
Actions		
Generate a public/private key pair	Genera	ate
Load an existing private key file	Load	ł
Save the generated key	Save public key Save priva	ate key
Parameters		
Type of key to generate:	ECDSA O ED25519 O SSH-	-1 (RSA)
Number of bits in a generated key:	2048	

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



8	PuTTY Key Generator
---	---------------------

File	Key	Conversion	ns Help				
- Ke	ev						
Pu	ublic ke	v for pasting i	nto Open SS	H authori:	zed kev	s file:	
s	sh-rsa A	AAAB3NzaC	1yc2EAAAA	BJQAAAO	REAK7H	soEBq9HA	^
÷	N/iLRib	y56U-nv-v	7. Setrita wa	L TONU	A111		JohngalSZLspUg
rl +	dvgpUG q2HSU	8LovX7scNA	LLGQTK7/F	ROfOu,	y	04171an-201312	
Ke	ey finger	rprint:	ssh-rsa 204	48 1f:24:c	e:c7:93:	21:a3:20:e9:87:9	d:e7:1f:b3:04:c4
Ke	ey <u>c</u> omn	nent:	rsa-key-201	180822			
Ke	ey p <u>a</u> ssp	ohrase:					
Cg	<u>o</u> nfirm p	assphrase:					
Ac	ctions						
G	enerate	a public/priv	ate key pair				<u>G</u> enerate
Lo	oad an e	existing privat	e key file				<u>L</u> oad
Sa	ave the	generated ke	ey		Sa	ve p <u>u</u> blic key	<u>S</u> ave private key
Pa	aramete	s					
Ţ	voe of k	ey to generat	e:	0		0	
9	<u>RSA</u>		<u>J</u> SA	OECI	JSA	O ED <u>2</u> 5519	O SSH- <u>1</u> (RSA)
N	umber o	t <u>b</u> its in a ger	nerated key:				2048

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: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

ps+tp>	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** 

🌆 Login		- 🗆 🗙
New Site	Session File protocol: SFTP V Host name: pfts.intuit.com User name: Pfts-user Save V	Port number: 22 🖨
		Session
		Advanced
	-	Transfer Settings Rule
		Global Preferences
		Logging
Tools 🔻 Manage 🔻	E Login 🔽 Close	e Help

#### Click Authentication

Click the three dots under Private key file



Advanced Site Settings		?	×
Environment Directories Recycle bin SFTP Shell Connection Proxy Tunnel SSH Key exchance Authentication Bugs Note	□       Bypass authentication entirely         Authentication options       □         □       Attempt authentication using Pageant         □       Attempt 'keyboard-interactive' authentication         □       Attempt 'keyboard-interactive' authentication         □       Respond with password to the first prompt         □       Attempt TIS or CryptoCard authentication (SSH-1)         Authentication parameters       □         □       Allow agent forwarding         Private key file:       □         □       Attempt GSSAPI         □       Attempt GSSAPI authentication         □       Allow GSSAPI credential delegation		
Color 🔻	OK Cancel	He	lp

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.

> This PC > Local Disk (C:) > Users > corpid	> .ssh	5 v	Search .ssh	<u>م</u>
	Name	Date modified	Туре	Size
55				
7.	📄 pfts-user.ppk	9/20/2018 4:11 PM	PPK File	
· *	<u>e</u>		the second second	



The Private key should be loaded.

#### Click **OK**

Advanced Site Settings		?	×
Environment Directories Recycle bin SFTP Shell Connection Proxy Tunnel SSH Key exchange Authentication Bugs Note	□       Bypass authentication entirely         Authentication options         □       Attempt authentication using Pageant         □       Attempt two board-interactive' authentication         □       Respond with password to the first prompt         □       Attempt TIS or CryptoCard authentication (SSH-1)         Authentication parameters       □         □       Allow agent forwarding         Private key file:       □         C: \Users\corpid\.ssh\pfts-user.ppk         GSSAPI       □         □       Attempt GSSAPI authentication         □       Allow GSSAPI credential delegation		
Color 🔻	OK Cancel	Hel	p

#### Click Save – Save

🌆 Login		- 🗆 ×
New Site root@mprdcfmews301.corp.intuit.net root@mprdcfmews401.corp.intuit.net root@mprdcfmews401.corp.intuit.net salt.corp.intuit.net	Session Eile protocol: SFTP V Host name: pfts.intuit.com User name: Pa pfts-user Save Save Set Defaults	Po <u>r</u> t number: 22 💌 ssword: Advanced 💌
Tools   Manage	🔁 Login 🛛 🔫	Close Help



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

Save session as site	?	$\times$
Site name: pfts-user@pfts.intuit.com		
<u>F</u> older:		
<none></none>		~
Save password (not recommended)		
Create desktop shortcut		
OK Cancel	H	elp

Highlight the new connection and click Login

🌆 Login		- 🗆 X
New Site  pfts-user@pfts.intuit.com	Session  Eile protocol:  SFTP  Host name:  pfts.intuit.com  User name:  Passwoi  pfts-user	Po <u>r</u> t number: 22 rd:
Tools   Manage		ose Help



#### 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.

