

Introduction

This document will guide you through the process of setting up FileZilla as the File Transfer Protocol (FTP) to enable you to transfer files for use on HPC Wales' services securely.

What is sFTP?

Secure File Transfer Protocol (sFTP) is used to transfer files from one computer to another over a network, such as the Internet, in a secure manner. It is often used to upload data and other documents from a private development machine to a public server. Unlike FTP, sFTP data transport is encrypted, so no credentials or data are sent in clear text (and interceptable by third parties).

Further details on accessing HPC Wales systems can be found in the User Guide and help can be obtained through the Support Desk:

- E-mail support@hpcwales.co.uk
- Telephone 08452 572 207
- Website <https://hpcwprod.service-now.com/>

Throughout this document, `type in this font` indicates what is displayed, whilst **bold type** denotes user input.

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What is FileZilla

FileZilla is an open source program which can be downloaded for free from the FileZilla website for supporting sFTP with the HPC Wales systems.

Getting Started – Download Software

For Windows users we recommend you download FileZilla from the portable application website as these applications can be installed without the need for administrator rights on your pc.

FileZilla can also be installed as a portable app on a USB memory stick to then run on any computer.

http://portableapps.com/apps/internet/filezilla_portable

1. Use the link above to download the software to the required location (eg C:\Downloads\FileZillaPortable) following the instructions.

Please note the download is approximately 5MB in size and depending on your network connection may take time to download to your selected location or USB memory stick.

2. Navigate to the location you selected for the download then double click on the downloaded file. Figure 1

If you see a security warning asking if you want to run, click on **run**.

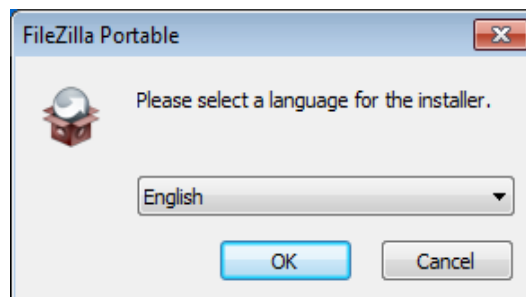


Figure 1 – Language selection dialogue box

3. Select the language required and Click on **OK**
4. Follow the installation instructions as follows from Figure 2 to 4 and click on **Next**, then **Install** to commence the install.

Getting Started – Download Software

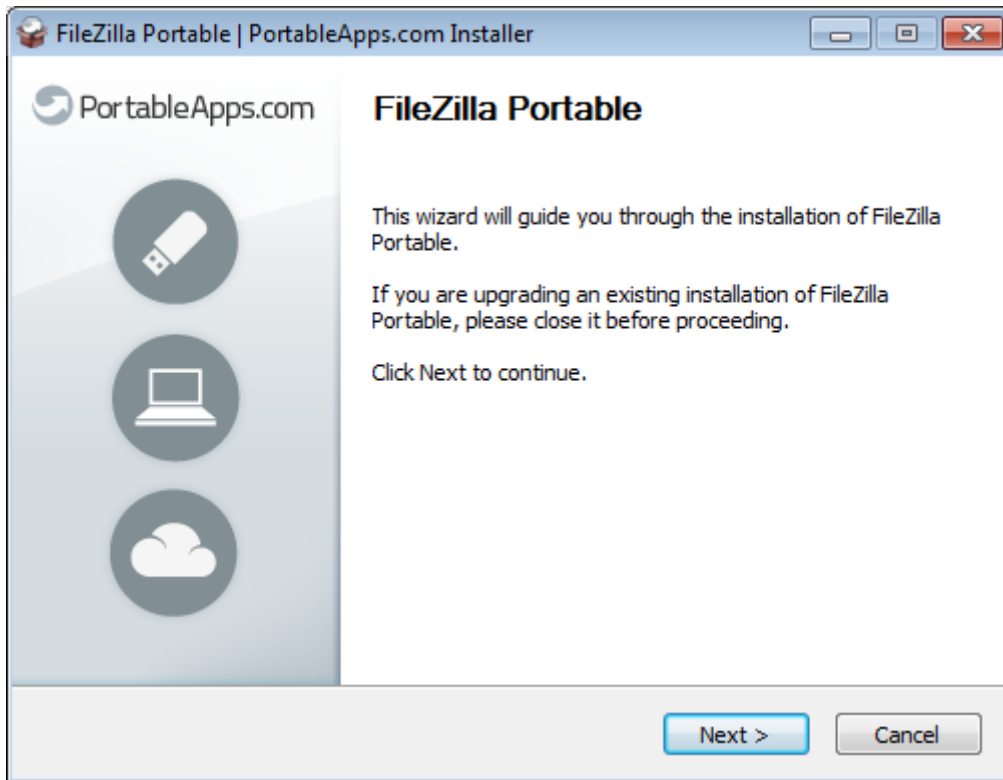


Figure 2 – PortableApps Installer window

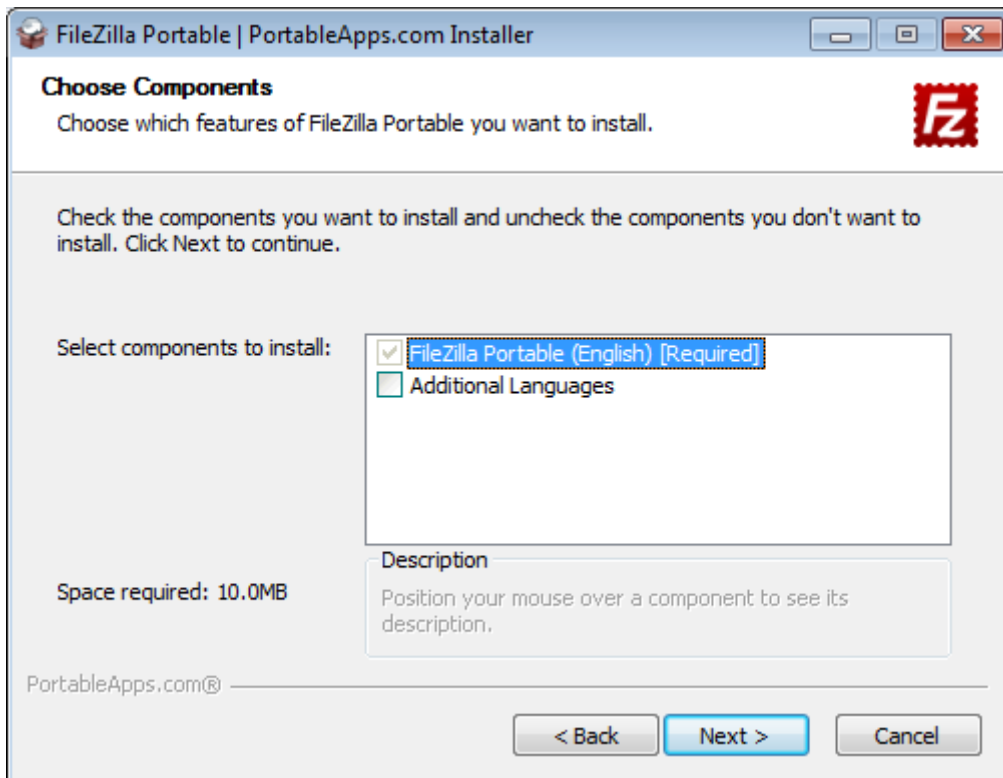


Figure 3 – PortableApps Installer features dialogue box

Getting Started – Download Software

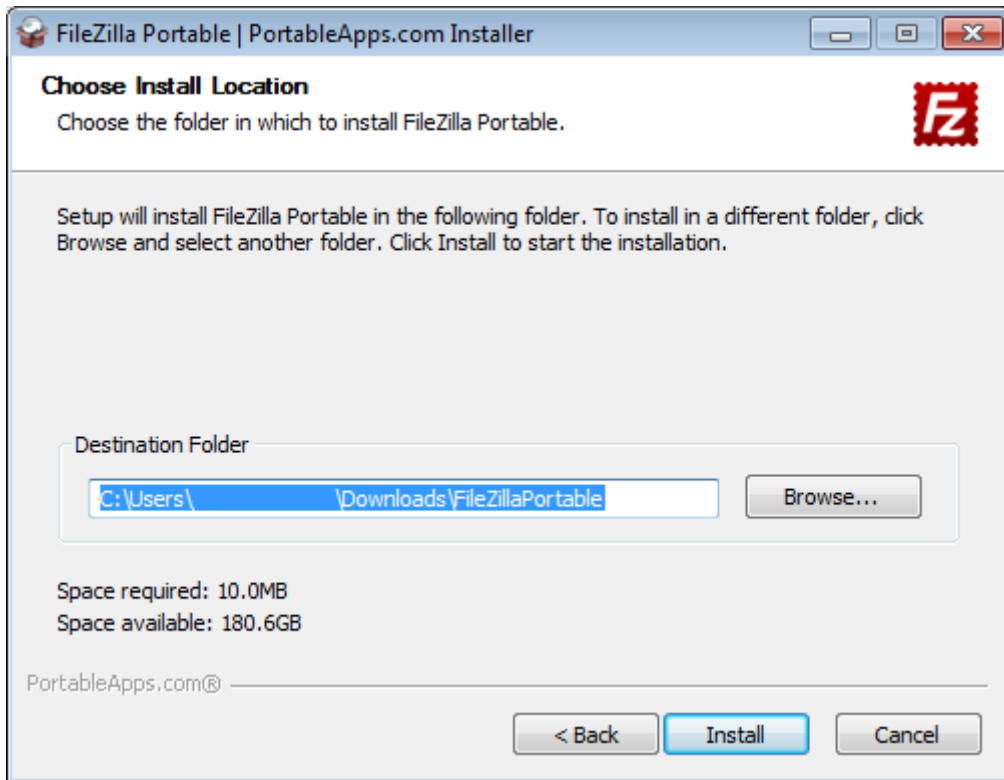


Figure 4 – PortableApps install dialogue box

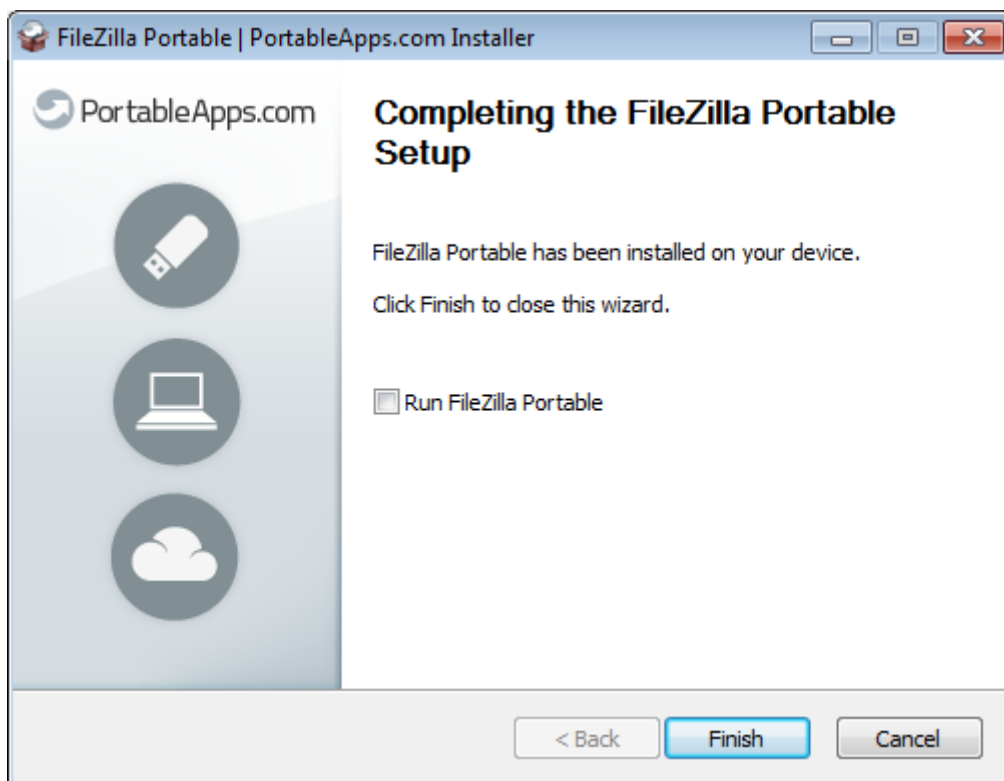


Figure 5 – PortableApps install complete dialogue box

Opening FileZilla – First Use

Navigate to the **\Downloads\FileZillaPortable** folder using the File Explorer and double click on the FileZillaPortable.exe file then, Click on **OK**.



Figure 6 – Opening FileZilla dialogue box

1. Enter **sftp.hpcwales.co.uk** as the host
2. Enter your HPC Wales **username** and,
3. **password**
4. Enter **22** for the port
5. Click on Quickconnect to open

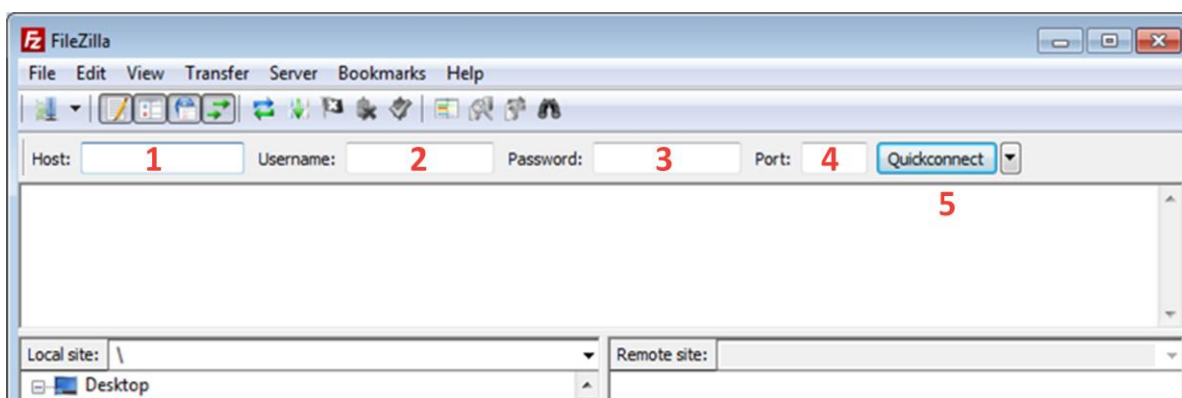


Figure 7 – First connection page

You should now see the following dialogue box

1. Click on **OK**

Opening FileZilla – First Use



Figure 8 – Remember passwords dialog box

If this is the first time you have opened FileZilla you will see the following dialog box

1. Select Always trust this host...
2. Click on OK

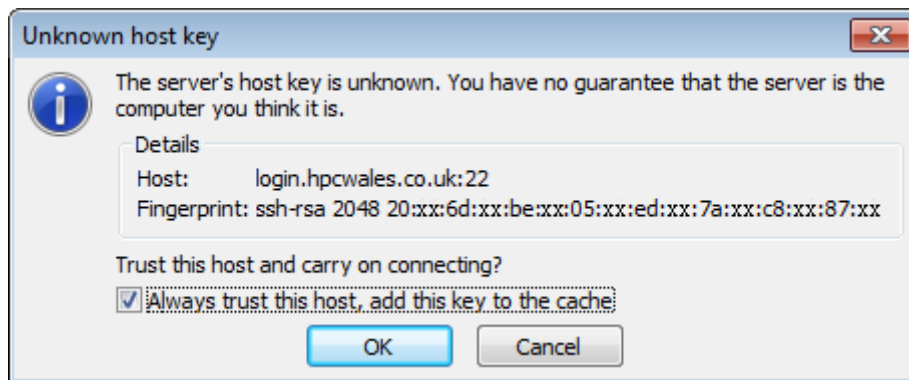


Figure 9 – Unknown host key dialog box

Configuring FileZilla Views

When FileZilla is open you will see the following screen and the red sections denote the following:

1. The message log pane is at the top of the screen
2. The file browser on the left contains files on the local system
3. The file browser on the right contains files on the Cardiff file store
4. The transfer queue pane is at the bottom of the screen

For visual clarity we suggest turning off various panes using the View menu.

Configuring FileZilla Views

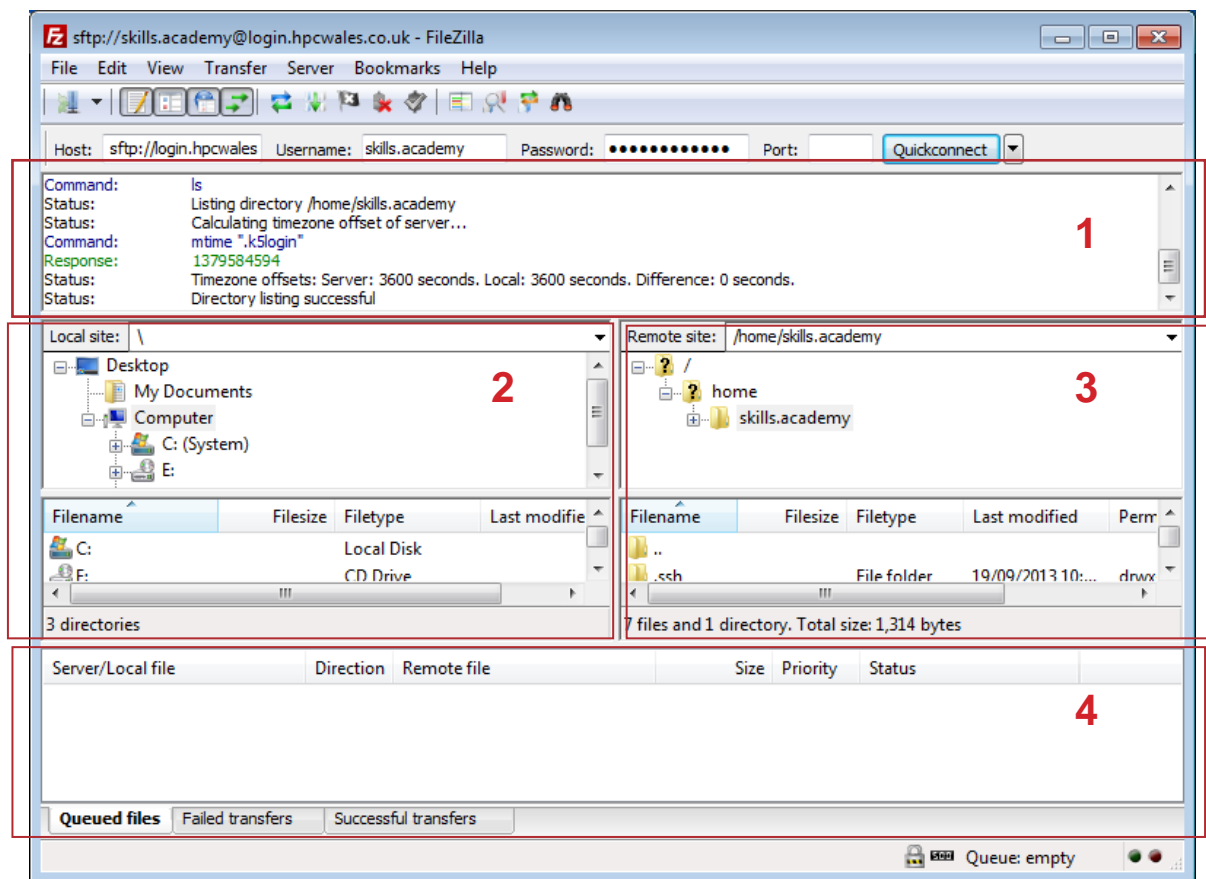


Figure 10 – Windows within FileZilla application