SSH and SFTP can be used to connect to your DMU account from computers outside DMU. (The computer that you are connecting from is referred to as your personal computer in the rest of this document.)

* SSH allows you to login to a UNIX shell and run commands.
* SFTP can be used to copy files to and from your h: drive.

The initial **S** in SSH and SFTP stands for secure – data is encrypted before being transferred by SSH and SFTP. We only allow connections using SSH and SFTP. Connections using insecure alternative protocols are not permitted.

1. In order to use SSH or SFTP you need to download and install an SSH/SFTP client on your personal computer. See [**http://www.tech.dmu.ac.uk/SFTP/SFTP.html**](http://www.tech.dmu.ac.uk/SFTP/SFTP.html) for details of a number of free clients that you can download for a variety of operating systems. Most of the clients provide both SSH and SFTP functionality. Some only provide sftp.

Contact the ITMS Service Desk [(itmsservicedesk@dmu.ac.uk](mailto:(itmsservicedesk@dmu.ac.uk) / 6050) if you need an SSH/SFTP client installing on a DMU computer to which you do not have admin rights.

Windows users who only need SFTP should find **WinSCP** straightforward to download and install, and straightforward to use.

1. Once you have clicked on the link and downloaded the file, please double click on the downloaded file and follow the installation instructions.
2. When you start up SSH or SFTP you need to provide three pieces of information to make the connection:

* The server you want to connect to
* Your username on the server
* The password for your username

*(If you need to provide a port number it is 22 which is the default port for SSH and SFTP)*

* For **SSH** you should use the server **ssh.dmu.ac.uk**
* For **SFTP** you should use the server **sftp.dmu.ac.uk**
* **Students** should login with their p-number and Single Sign-On password (the same as for Blackboard).
* **Staff** should login with their Single Sign-On username and password (the same as for the Staff Portal).

# SSH

Once you have established an SSH connection you will receive a prompt from the SSH server (probably **$**). You can now type in Linux commands.

# SFTP

Once you have established an SFTP connection you will be able to copy files between a local directory (on your personal computer) and a remote directory (on the SFTP server). When you first log in to SFTP the remote directory will be your h: drive. You can change the remote directory to a sub-directory (sub-folder) of your h: drive.

The Faculty of Technology L: drive (lecturer drive) can be found at /lecturer on sftp.dmu.ac.uk.

Most sftp clients will show the local and remote directories in 2 panes and allow you to drag and drop files between them.

Some SFTP clients use a commandline interface. You must type **get <file>** to copy a file from the remote directory to the local directory or **put <file>** to copy a file from the local directory to the remote directory. Many other commands are also available. You can usually obtain a list of them by typing **help**.

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| --- | --- |
| Service | SSH |
| Server | ssh.dmu.ac.uk |
| Port | 22 |
| Login | p-number (students) or single sign-on username (staff) |
|  | |
| Service | SFTP |
| Server | sftp.dmu.ac.uk |
| Port | 22 |
| Login | p-number (students) or single sign-on username (staff) |