Accessing Unix from Windows

Xming

Xming provides graphical access to Unix from the Windows desktop. Use your usual UWE username and password to log into Unix.

Unix Home Folders

You can access your Unix home folder from any UWE computer. Go to **My Computer** and there will be a **L:\ Drive**, which is your Unix home folder.

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Figure 1

Using SSH to connect to Unix securely

Using an SSH client, a program called **PuTTY**, you can connect to a Unix based system securely. SSH (Secure Shell) is a replacement for telnet, which will give you a terminal connection to Unix. You will need to know some Unix commands to use this type of connection. Please see the Brief Introduction to Linux helpsheet.

Using PuTTY

1. Under **Host Name** on the initial screen (see figure 2), type the name of the Unix server you want to connect to, for example the student server is **milly.cems.uwe.ac.uk**.

2. Leave the other settings as the default values.

3. Click Open.

Reputry Configuration		×
Category:		
Session	Basic options for your PuTTY se	ession
Logging	Specify the destination you want to conne	ect to
Keyboard	Host Name (or IP address)	Port
Bell	milly.cems.uwe.ac.uk	22
Features ⊡ Window	Connection type:	H 🔘 Serial
Appearance Behaviour Translation Selection Colours Connection Data	Load, save or delete a stored session Saved Sessions Default Settings remote_milly remote_sister	Load
Proxy Telnet Rlogin ⊕ SSH Serial	Sister	Delete
About	Always Never Only on Open	clean exit

Figure 2

4. The first time you log in you will probably receive the following message:



Figure 3

Click Yes to proceed.

- 5. You will then be prompted for your username and password.
- 6. You will then be logged onto the Unix system.

Securely Copying Files Between Windows And Unix

You can securely copy files between Unix and Windows using SCP/SFTP (this is a secure replacement to FTP). It can be used through the program **WinSCP**.

Using WinSCP

1. On the initial screen, under **Host Name** type the name of the Unix server you want to connect to, for example the student server is **milly.cems.uwe.ac.uk** (see figure 4 below).

Login - WinSCP		
Image: New Site Image: remote_milly Image: remote_sister Image: sister Image: sister	Session File protocol: SFTP Host name: milly.cems.uwe.ac.uk User name: Save Save	Po <u>r</u> t number: 22 - ord: Advanced
Tools Manage	Login 🔽 C	lose Help

Figure 4

- 2. Enter your username and password into the appropriate fields.
- 3. Leave the other settings as their default values.
- 4. Click Login.

5. The first time you log in you will probably receive the following message:

Warning	ि <u>२</u>
	Continue connecting to an unknown server and add its host key to a cache?
	The server's host key was not found in the cache. You have no guarantee that the server is the computer you think it is.
	The server's rsa2 key fingerprint is: ssh-rsa 2048 b1:39:56:a7:5a:8b:94:1f:ee:59:8f:77:21:07:ea:7a
	If you trust this host, press Yes. To connect without adding host key to the cache, press No. To abandon the connection press Cancel.
	Yes No Cancel Copy Key Help
	Figure 5

6. Click Yes to proceed.

7. The main **WinSCP** window will be displayed; this is split into two parts.

Local Mark Files Comman	ds Sessio	on Options Remote	Help					
🖶 🚉 諱 Synchronize 🗾	P 💽	🕼 🔛 🔐 Que	ue 👻 Transfer Settings Default	• <i>16</i> •				
g-marsh@milly.cems.uwe.								
📔 My documents 🔹 🗸	7	+ • → • 🗈 ิ	1 🏠 🛃 🐾	📔 unix 🔹 🚰	7	» - 🖻 🗖 🏠 🍠	🖀 Find Files	2
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:\Users\g-marsh\Documents				/nas/staff/g-marsh/unix				
Name	Size	Туре	Changed	Name	Size	Changed	Rights	Owner
L		Parent directory	24/03/2016 12:23:40			08/12/2011 10:50:50	rwxr-xr-x	root
Custom Office Templ		File folder	07/04/2016 16:03:21	Accounts		08/08/2011 14:35:22	rwxr-xr-x	g-marsh
MobaXterm		File folder	20/05/2014 10:51:16	anna temp		01/09/2009 09:55:20	rwxr-xr-x	g-marsh
My Digital Editions		File folder	03/06/2014 14:59:30	bin .		25/03/2013 14:39:19	rwx	g-marsh
My Received Files		File folder	22/03/2016 10:09:39	cemsstaff		30/09/2011 10:04:30	rwx	g-marsh
OneNote Notebooks		File folder	20/10/2015 15:49:48	certs		01/05/2014 16:01:57	rwx	g-marsh
Outlook Files		File folder	27/08/2014 09:53:16	aft 🔒		27/07/2009 17:24:00	x	g-marsh
EasyBCD Backup (201	24 KB	BCD File	24/11/2014 14:54:33	DeadLetters		20/09/2011 16:53:03	rwx	g-marsh
test.htm	1 KB	HTML Document	23/06/2015 14:43:27	letions		04/06/2015 14:32:02	rwx	g-marsh
XMin.xlaunch	1 KB	XLAUNCH File	24/03/2016 12:23:40	Desktop		13/11/2013 15:55:17	rwxr-xr-x	g-marsh
				🔒 dev		08/06/2012 12:13:02	rwxxx	g-marsh
				🌗 dirtest4		05/02/2015 12:21:27	rwxr-xr-x	g-marsh
				🌗 dirtest5		05/02/2015 12:21:35	rwx	g-marsh
				Documents		21/07/2015 16:11:45	rwx	g-marsh
				Downloads		25/06/2014 12:31:32	rwxr-xr-x	g-marsh
				🌗 email		01/11/2005 15:37:41	rwx	g-marsh
				🌗 ghost		28/01/2015 10:43:54	rwx	g-marsh
				🔒 gitlab		26/08/2015 11:20:56	rwx	g-marsh
				퉬 gitlab2		23/11/2015 12:42:00	rwxr-xr-x	g-marsh
				🌗 gnuplot		13/06/2011 16:02:10	rwxr-xr-x	g-marsh
				퉬 Golf Quiz		08/06/2015 11:27:34	rwx	g-marsh
				🔋 🚇 guru		21/04/2015 14:49:30	rwx	g-marsh
				hardware_photos		10/09/2010 12:50:52	rwxr-xr-x	g-marsh
3 of 25,496 B in 0 of 9			5 hidden	0 B of 8,055 KB in 0 of 93				91 hidden

Figure 6

8. The left hand side is the local machine and the right is the remote machine, which in this example is the user's home folder on **milly**.

9. Files can be transferred by dragging and dropping between the two panes, or using the tool bar.