

Remote File Access

Accessing your files remotely

IRMACS IT Services June 2012





Remote Access

Introduction

This document demonstrates how to access your files when you are not on one of the IRMACS workstations. The connection information is summarized below followed by an example using Cyberduck in OS X and then another example using WinSCP in Windows.

You can use SSH (SFTP/SCP) to access your IRMACS files. To do so you need a program that works with SFTP (Cyberduck and WinSCP are the examples used below), your regular IRMACS login information, and the server name:

cobalt.irmacs.sfu.ca



Cyberduck

Cyberduck is a free program that runs on OS X. You can download it from:

http://cyberduck.ch/



Illustration 1: Select Open Connection

SF



0 🔴 🔘	💰 cobalt.irmacs.sfu.ca - SFTP	Get a donatio	n key!) 🖂
Dpen Connection Qu	ick Connect Action Refresh	Edit	Disconnec
SFTP (SSH F	ile Transfer Protocol)	\$	-
Bookmarks - O Histo			
Server:	cobalt.irmacs.sfu.ca	Port: 22	
URL:	sftp://rshott@cobalt.irmacs.sfu.ca:22/		
Username:	rshott		
Password:	•••••		
Ttp://anonymous	Anonymous Login		
More Options	? Cancel	Connect	
Rackspace C			
https://admin@s	torage.clouddrive.com/		
Unlimited File Sto	orage & Content Delivery		
svn.cyberduck.ch http://admin@sv	ck.ch – WebDAV (HTTP) n.cyberduck.ch/trunk		
Subversion Report	sitory		
+ / -			
5 Bookmarks			

Illustration 2: Fill in the server info as shown, and then enter your IRMACS credentials.





WinSCP

WinSCP is a free program for Windows that you can download from:

http://winscp.net

WinSCP Login		? ×
Session Stored sessions Environment Directories SSH Preferences	Interface	 two panels (left for local directory, right for remote directory) keyboard shortcuts like in Norton Commander (and other similar programs as Total Commander, Midnight Commander) drag & drop to/from both panels
		- only remote directory - keyboard shortcuts like in Windows Explorer - drag & drop
	Other general options:	Preferences
Advanced options		
About Languages	<u>S</u> a	ve Login Help

Illustration 1: You may want to change WinSCP to the simpler "Explorer-like" interface.

WinSCP Login	? 🗙
Session Stored sessions Environment Directories SSH Preferences	Session Host name Pott number Cobalt.irmacs.sfu.ca 22 1 User name Password 1 [dlepiane] Image: Second secon
	Select color
About Languages	Save Login Help

Ilustration 2: Creating a connection in WinSCP.

	creative collaboration The ITMOCS Centre	
Warning	×	
	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 1024 e2:1f:4f:86:0f:9e:50:39:f6:e4:ba:12:47:0d:7d:11	
	If you trust this host, press Yes. To connect without adding host key to the cache, press No. To abandon the connection press Cancel.	
	Continue connecting and add host key to the cache?	
	Yes No Cancel Help	

Illustration 3: You will get this connection warning the first time you connect.

🔤 Server prompt - dlepiane@cobalt.irmacs.sfu.ca	×
Searching for host	
Lonnecting to host	
Using username "dlepiane".	
Using keyboard-interactive authentication.	
Password:	
••••••	
✓ Hide typing	
Note: This prompt is issued by the server. It is part of either keyboard-interactive, TIS or Cryptocard authentication.	
OK Cancel	Help

Illustration 4: Give your IRMACS password at the login prompt



🧤 dlepiane - dlepiane@cobalt.ir	macs.sfu.ca -	WinSCP				l ×
File Commands Mark Session V	/iew Help					
Address 🗁 /private/var/automou	int/home/dlepia	ne/			•	<u></u>
	🕼 🗠 🗙 🛙	🚰 🥒 📑	HOM 🛃	🗳 📀		
🔹 🖂 🕈 🕅 📦 🕈 📴 Def	ault	• 🐼 •				
⊟ 🛅 / <root> ⊟∰ private</root>						-
i⊟⊶i⊖i var i⊡⊶i⊖i automount	.AccessGrid	.cddb	.config	.dia	.directory	
⊡⊶ 🛅 home È 🇁 dlepiane						
	.eclipse	.freemind	.gconf	.gconfd	.gimp-2.2	
	.gnome	.gnome_pri	.gnome2	.gnome2_p	.gnupg	
< ►		P7	<u>6</u>	P7	P7	•
0 B of 280 KB in 0 of 112	14,014 B	614 B	0:00:04			1.

Illustration 5: Your home directory.

🤷 projects - dlepiane@cobalt.irn	nacs.sfu.ca - ¥	VinSCP				
File Commands Mark Session Vi	ew Help					
Address 🗁 /private/var/automour	nt/projects/					- 🔁 🔄
	7 🗠 🗙 🖻	* 🖉 🎯 🖟	a 🔤 🚜 🗉	s 🐢		
💼 🗔 🗸 🔃 🗟 🖌 📴 Defa		- 33	•			
dev						
Developer	.snapshot	fabstar	geofluid	modelling	niko	pi2pi
etc			-	-		
home	0					
Library						
mnt 📃	subversion					
nfs reshares						
- opt						
private						
etc						
automount 🧮						
projects						
🛁 sbin 🖵						
0 Bof 0 Bin 0 of 7	21,099 B	1,238 B	SFTP (v3)	0:00:47		11.

Illustration 6: The projects directory.

i.



😼 Downloads - dlepiane@cobalt.ir	macs.sfu.ca - WinSCP				
File Commands Mark Session View	w Help				
Address 🗁 /private/var/automount	/home/dlepiane/Downloa	nds/			- 🖻
	1 🛳 🗙 💣 🦉 🏼	i 🗟 📼 🛃	1 2		
🔹 🐑 🕶 🔛 👔 🔹 📴	t 🔻	🐺 -			
	hpBB-2.0 README.	txt SFU_IRMAC	Temp_Web.zip u	Jucipproxy.t	
Сору				? ×	
Copy file 'phpBB-2.0.20-fi	iles.tar.bz2' to drop target				
Transfer on backgrou	and (add to transfer gueur	:)			
Presets	More >>	Сору	Cancel	Help	
3,915 KB of 4,655 KB in 1 of 5	22,355 B 1,564 B	SFTP (v3)	0:02:15		//.

Illustration 7: Copying a file.

😼 Downloads - dlepiane@cobalt.i	rmacs.sfu.ca - ¥	/inSCP				_ 🗆 ×
File Commands Mark Session Vie	w Help					
Address 🗁 /private/var/automour	t/home/dlepiane/[)ownloads/				- 🔁
[← + ⇒ + 🖻 🙆 🚮 🙋 [ž 🗠 🗙 🗃	n 📑 📰 🖻	I 🔗 🖻 🤞	•		
🔹 🖂 🕶 📳 👔 🕶 🚼 Defa	ult 👻	- 🐼				
C20/- Comu			•	_		
63% COPY	ny				<u> - </u>	
	6			Cancel	xy.t	
	_		27			
				<u>M</u> inimize		
File:	phpBB-2.0.20-files	tar.bz2				
Target:	Temporary director	y		<u>S</u> peed		
T	da. Dias		Dischied	1	ř.	
Time left	ide: Bina D:DD:I	ny niesume: 10 Time elan∞aN•		5% 100	1%	
Bytes trans	erred: 2,483 k	B CPS:	2.406 KB/s			
Disco	nnect when operat	on finishes				
3,915 KB of 4,655 KB in 1 of 5	2,601 KB 4	,256 B SF	TP (v3)	0:02:17		11.

Illustration 8: File transfer progress.



Mozila Firefox		
िं <mark>ग्र</mark> winscp381		
	😼 Downloads - dlepiane@cobalt.irmacs.sfu.ca - WinSCP	×
	File Commands Mark Session View Help	
	Address 🗁 /private/var/automount/home/dlepiane/Downloads/	<u>a</u>
		_
	php88-2.0 README.txt SFU_IRMAC Temp_Web.zip udpproxy.t	
	Confirm	
php8t iles	2.0.20-f If the application?	
	Cancel	
	0 B of 4,655 KB in 0 of 5 3,939 KB 5,491 B SFTP (v3) 0.02:27	///
		Recycle Bin
🛃 Start 🛛 🚱 🏉 🎼 🕅	vnloads - dlepiane	8 893

Illustration 9: Disconnecting.

Note: You will see there are a lot of files and folders in your home directory that have names starting with a "." like ".ssh" and they appear in grey. These are program and system configuration files so it is essential that you do not move, modify, or delete any of these files unless you know what you are doing.

SFI





