Connection Setup Guide (PuTTY/WinSCP/Xming) v1.0

- 1. Establish VPN connection first, if you are accessing the server from off-campus
 - a. GoTo https://helpdesk.tamhsc.edu/windows-anyconnect-vpn/
- 2. PuTTY Setup
 - a. Open PuTTY
 - b. When it asks if you want to run due to unverified publisher, left click on RUN
 - c. The first time into PuTTY, in the left hand window scroll down to Connection and expand the SSH marker
 - i. Left click on X11
 - ii. Select the MIT-Magic-Cookie-1 radio button under remote X11 authentication protocol

Real PuTTY Configuration	n	x
Category:		
Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection Proxy Telnet Rlogin SSH Kex Auth TTY X11 Tunnels Bugs	H H	Options controlling SSH X11 forwarding X11 forwarding Enable X11 forwarding X display location Benote X11 authontication protocol MIT-Magic Cookie-1 XDM-Authorization-1 Authority file for local display Browse
About		Open Cancel

- iii. Also, click on X11 forwarding, if using Xming (in blue circle above).
- iv. In left hand window, scroll to the top and left click on Session

d. In the Host name box enter IP address x.x.x.x. (For HPM server ip address info, refer to Using the Server page on http://research.tamhsc.edu/pinformatics)

2	PuTTY Configuration	? ×				
ategory:						
Session	Basic options for you	Ir PuTTY session				
Logging	Specify the destination you want	to connect to				
Keyboard	Host Name (or IP address)	Port				
- Bell	XXXX	22				
Window Appearance Behaviour Translation Scienting	Connection type: Raw Telnet Rlog Load, save or delete a stored se Saved Sessions	Connection type: Raw Telnet Rlogin SSH Serial Load, save or delete a stored session Saved Sessions				
- Selection - Colours - Connection - Data - Proxy - L	Default Settings	Load				
Feinet Rlogin ⊞-SSH Serial		Delete				
	Close window on exit: Always Never	Only on clean exit				
About	Help O	pen Cancel				

- e. Left-click on the open button
- f. You may receive a message that asks if you trust the connection, select yes
- g. Logon using your TAMHSC id and password
- 3. WinSCP Setup
 - a. Open WinSCP
 - b. Under the Host name, enter server name or ip address (For HPM server ip address info, refer to Using the Server page on http://research.tamhsc.edu/pinformatics) and enter your TAMHSC login information. Click Save button to save the login information.

New Site	S	ession	
	1	ile protocol:	
		SFTP 🗸	
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			22
	ļ	Jser name:	Password:
		hsc_username	•••••
		Save 🔻	Advanced
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c. Check 'Save password' if you want to save your password for the future and click OK

🖞 New Site	Session		
	<u>File protocol:</u>		
	SFTP V		
	Save session as site ? ×	Po <u>r</u> t number:	
	Site name:	22 🖨	
	hsc_username@SRPH-HPM1.srv.tamhsc.edu	d:	
	Eolder:	•••	
	<root> v</root>	Advanced	
	Save password (not recommended)	<u> </u>	
	OK Cancel Help		

d. Click Login button at the bottom to establish connection

🖆 New Site	Session		
hsc_username@SRPH-HPM1.srv.tamhsc.edu	Eile protocol:		
	SFTP		
	Host name:		Po <u>r</u> t number:
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e. You should see something similar to this

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Image: hsc_username@SRPH-HPM	I.srv.tamhsc.edu 🚅 New Ses	sion					
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L Application Data	File folder	12/23/2013 4:	sh	lemacs.d		1/21/2014 9:0	rwxr-xr-
E Contacts	File folder	12/23/2013 4:	r	lontconfig		1/21/2014 8:5	rwxr-xr-x
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\rm Downloads	System Fol	1/28/2014 10:	r	E HPM		1/21/2014 8:1	rwxrwxr.
b Dropbox	File folder	1/28/2014 10:	r	👠 sasuser.v93		1/27/2014 3:1	rwxr-xr-x
k Favorites	File folder	12/23/2013 4:	r	😹 web		1/21/2014 8:1	rwxrwxr.
Loogle Drive	File folder	1/28/2014 10:	r	.bash_history	3,394 B	1/27/2014 6:0	rw
📜 Links	File folder	1/9/2014 12:5	r	.bash_logout	18 B	1/21/2014 8:1	rw-rr
Local Settings	File folder	12/23/2013 4:	sh	.bash_profile	176 B	1/21/2014 8:1	rw-rr
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0 B of 14,484 KiB in 0 of 32				0 B of 5,919 B in 0 of 17			
						SETP-3	40

- f. Open up Preferences dialog by going to Options > Preferences on the main menu
 - i. Select Applications Integration page and verify that the settings are as follows and click OK

Interface	External applications PUTTY/Terminal client path:					
Window Commander Explorer	%PROGRAMFILES%₩PuTTY₩putty.exe ✓	Browse				
Languages Panels Remote Local Editors Transfer Drag & Drop	Remember session password and pass it to PuTTY (SSH) Open Telnet sessions in PuTTY for FTP sessions Automatically open new sessions in PuTTY PuTTY registry key:					
Background Endurance Network Security Logging Integration Applications Commands Storage Updates	Software₩SimonTatham₩PuTTY	~				

ii. You are now able to open up SSH connection by clicking the following icon (red circle below) or by keyboard shortcut (Ctrl+P)

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Files Commands Se ueue - 🔂 🔁 📚 Sy	ession Optio	ns Remote H	elp Transfer Settings	Defau	lt		• 🥵 •
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		File folder	12/23/2013 4:	r		👢 .fonto	onfig

- 4. Xming Setup
 - a. If running for the first time, Open XLaunch from Programs > Xming menu
 - b. Choose Multiple windows and click Next

Select display settings Choose how Xming display	s programs.	X
Multiple windows	Fullscreen	× ·
One window	One window without titlebar	A Contraction of the second se
Display number 0		
	< <u>B</u> ack <u>N</u> ext > Car	ncel Help

c. Choose Start no client and click Next

X	Session type ×
Sele	ct how to start Xming Choose session type and whether a client is started immediately.
۲	start no client
	This will just start Xming. You will be able to start local clients later.
0	Start a program
	This will start a local or remote program which will connect to Xming. You will be able to start local clients later too. Remote programs are started using PuTTY/SSH.
0	Open session via XDMCP
	This will start a remote XDMCP session. Starting local clients later is limited. This aption is not available with the "Multiple windows" mode.
	< Back Next > Cancel Help

d. Leave the default setting and Click Next

rd manager		
	Disable Server Access Control	
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e. Click Finish to complete configuration and launch Xming. For next time, you can skip XLaunch and directly open Xming.

×		Finish co	nfiguration	í.	×
Configuration Choose whe	complete other to save yo	our settings to a	an XML file.		X
Click Finish to s	tart Xming.				
You may also 'S	Save configurat	ion' for re-use	(run automatica	lly or alter via -load	l option).
Save conf	figuration	Include F	PuTTY Password	as insecure clear t	text
	r				
		< Back	Finish	Cancel	Help