PuTTY Port Forwarding Guide

Before you start: Make sure you are connecting to one of the hive machines!

Step 0: Skip this step if you are connecting to a saved session already. Otherwise, enter in the hostname you want to connect to into the **Host Name** box and enter in a name for the session in the **Saved Sessions** box (see below). In this example, the hostname was chosen as the session name.

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Category:			Category:				
Session Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin SSH Serial	Basic options for your PuTTY session Specify the destination you want to connect to Host Name (or IP address) Previous Inive2.cs.berkeley.edu Connection type: Raw Telnet Raw Telnet Nord, save or delete a stored session Saved Sessions hive2.cs.berkeley.edu Default Settings cory.cs.berkeley.edu hive17.cs.berkeley.edu torus.cs.berkeley.edu Close window on exit Always Never Only on clean	ort 2 O Serial 0 Load Save Delete exit	Seession Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin SSH Kex Auth TTY Z X11 Tunnels Bug	•	Basic options for your PuTTY se Specify the destination you want to connect to Host Name (or IP address) hive2.cs.berkeley.edu Connection type: Raw Telnet Rlogin SSH Load, save or delete a stored session Saved Sessions hive2.cs.berkeley.edu Default Settings cory.cs.berkeley.edu hive2.cs.berkeley.edu s273-15.cs.berkeley.edu s273-15.cs.berkeley.edu cory.cs.berkeley.edu Solerkeley.edu Solerkeley.edu Solerkeley.edu Solerkeley.edu Solerkeley.edu Solerkeley.edu Solerkeley.edu Solerkeley.edu Solerkeley.edu Solerkeley.edu Solerkeley.edu Close window on exit Always Never Only on closed	Port 22 1 O Seria Load Save Delete	al
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Step 1: Skip this step if you did Step 0. If you are connecting to an existing session, select the session and press Load.

Step 2: On the left-hand side menu, click on Connections -> Tunnels (see below).

Step 3: Type in the source and destination port corresponding to the SSH command and press **Add**. For this project, the SSH command is: ssh -L 12345:localhost:12345 cs61c-XX@hiveYY.cs.berkeley.edu. The text after the -L flag follows the format source_port:destination_port, so our source port is **12345** and our destination is **localhost:12345**.

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Category:		Category:		
Category: - Logging - Terminal - Keyboard - Bell - Features - Window - Appearance - Behaviour - Translation - Selection - Colours - Connection - Data - Proxy - Telnet - Rlogin - SSH - Kex - Kex - Auth - TTY - X11 - Tunnels - Bugs	Options controlling SSH port forward Port forwarding Local ports accept connections from other I Remote ports do the same (SSH-2 only) Forwarded ports: Add new forwarded port Source port 12345 Destination localhost 12345 • Local Remote D • Auto IPv4 IP	Add Vynamic Vyo Add Vynamic Vyo Category: Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin SSH Kex Auth TTY X11 Tunnels Bugs	Options controlling SSH port for Port forwarding Local ports accept connections from o Remote ports do the same (SSH-2 onl Forwarded ports: L12345 localhost 12345 Add new forwarded port Source port 12345 Destination localhost 12345 OLocal Remote (Auto IPv4 (warding ther hosts y) Remove Add) Dynamic) IPv6
About Hel	p Open	Cancel About	Help Open	Cancel

Step 4: Verify that the port has been added in the **Forwarded Ports** box. *(continued on next page)*

8	PuTTY Configuration ? ×				
Category:	Basic options for your PuTTY session				
Terminal Keyboard Bell Features Window	Host Name (or IP address) Port hive2.cs.berkeley.edu 22 Connection type: Raw Telnet Rlogin SSH Serial				
Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin SSH	Load, save or delete a stored session Saved Sessions hive2 cs.berkeley.edu Default Settings cory.cs.berkeley.edu hive17.cs.berkeley.edu Save S273-15.cs.berkeley.edu torus.cs.berkeley.edu Delete				
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Step 5: Return back to the first screen by clicking **Session** on the left-hand side menu and press **Save** to save the session. Connection settings are not automatically saved, so if you do not save the session, you will need to repeat these steps next time. Connection settings also are not shared, so if you have saved sessions to multiple hive machines, you will need to repeat these steps for each session.