



Remote Access to Opus (AKA OSLab) (143)

This Howto shows how to remotely access the Opus Linux system on campus. Opus is used for doing and submitting lab assignments. You will hear this system referred to as either Opus or OSLab. Internally we use Opus. However on the Internet this system is known as OSlab.

Supplies

- Windows PC, Linux system or Mac
- A reasonably fast Internet connection

Overview



SSH is used to access the **Opus** server. Windows doesn't include ssh so the PuTTY program must be installed. Mac and Linux users already have ssh.

Mac or Linux Users

Step 1 – Connect to Opus

Run the terminal application and issue this command using your Opus username:

```
ssh -p 2220 username@oslab.cis.cabrillo.edu
```

You may get a warning like this:

```
The authenticity of host '[oslab.cis.cabrillo.edu]:2220
([2607:f380:80f:f425::230]:2220)' can't be established.
RSA key fingerprint is 7d:32:80:b9:52:32:c8:dc:3b:16:0e:ba:8c:fd:79:ef.
Are you sure you want to continue connecting (yes/no)? yes
```

Type yes to continue.

Skip the next section on Windows and go to the *Login for All Users* section below.

Windows Users

Step 1 – Download and install PuTTY

Browse to the PuTTY Download Page:

http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html

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		Home Licence FAQ Mirrors Updates Fe	<u>Docs</u> Downlo edback <u>Changes</u>	ad <u>Keys</u> <u>Links</u> <u>Wishlist</u> <u>Team</u>			
Here are the Pu	TTY files themselves:						
 PuTTY (PSCP (a PSFTP (PuTTYte Plink (a o Pageant PuTTYg 	the Telnet and SSH client it in SCP client, i.e. command (an SFTP client, i.e. general el (a Telnet-only client) command-line interface to th (an SSH authentication ager en (an RSA and DSA key g	self) line secure file copy) file transfer sessions much l e PuTTY back ends) t for PuTTY, PSCP, PSFT eneration utility).	ike FTP) TP, and Plink)				
LEGAL WAR PSCP, PSFTP downloading it.	NING : Use of PuTTY, PS and Plink in England and W You may find <u>this site</u> usefu	CP, PSFTP and Plink is ille ales and in many other cou l (it's a survey of cryptograg	egal in countries w ntries, but I am no phy laws in many o	here encryption is outlawed t a lawyer and so if in doul countries) but I can't vouch	 I believe it is legal to us tyou should seek legal a for its correctness. 	e PuTTY, udvice befo	лe
Use of the Teln	et-only binary (PuTTYtel) is	unrestricted by any crypto	graphy laws.				
There are crypt our public keys could try the on	ographic signatures available and find out more about ou se at <u>this site</u> . (This MD5 pro	for all the files we offer be signature policy, visit the ogram is also cryptographic	dow. We also sup <u>Keys page</u> . If you ally signed by its a	oly cryptographically signe need a Windows program uthor.)	d lists of checksums. To o to compute MD5 checks	download sums, you	
Binaries							
The latest releatersion, it might	ase version (beta 0.62). Th t be worth trying out the late	is will generally be a version st development snapshot (b	n I think is reason: elow) to see if I'v	ably likely to work well. If e already fixed the bug, be	you have a problem with ore reporting it to me.	the release	;
For Windows	on Intel x86	(or by FTP)	(RSA sin)	(DSA sig)			
PuTTYtel	puttytel.exe	(or by FTP)	(RSA sig)	(DSA sig)			
PSCP:	pscp.exe	(or by FTP)	(RSA sig)	(DSA sig)			
PSFTP:	psftp.exe	(or by FTP)	(RSA sig)	(DSA sig)			
Plink:	plink.exe	(or by FTP)	(RSA sig)	(DSA sig)			
Pageant:	pageant.exe	(or by FTP)	(RSA sig)	(DSA sig)			
PuTTYgen:	puttygen.exe	(or by FTP)	(RSA sig)	(DSA_sig)			
🔒 vlab90.zip	- 🔒 vlat	90.zip *	🛔 vlab192.zip	-	Show all d	ownloads	×

There are two PuTTY downloads. One is the latest release version and the other is a development snapshot. Download the latest release version which is more stable.

Save the downloaded file to your desktop so you can find it again.

Step 2 – Connect to Opus

Find the downloaded file and double-click it to run. If you did not save the file to the desktop you can make a shortcut (right-click on putty.exe) and drag the shortcut to the desktop or Start button.



You may see this warning:



Click on Run to continue

Host Name: oslab.cis.cabrillo.edu and Port: 2220



Click Open to continue

You may see a warning like this:



Click Yes to continue

Login for All Users

Use your own Opus username and password to login



Note, you may get white text on a black background. The image above had PuTTY settings customized to show black text on an off-white background.

When finished, type the **exit** command. This will log you off and automatically disconnect.