

Using Terminal on Mac

This document contains the following sections:

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For information related to this topic refer to:

- [SSH Secure Shell \(http://www.cmu.edu/computing/doc/software/ssh/index.html\)](http://www.cmu.edu/computing/doc/software/ssh/index.html) (Windows)
- [Fugu \(http://www.cmu.edu/computing/doc/software/fugu/index.html\)](http://www.cmu.edu/computing/doc/software/fugu/index.html) (Mac)
- [Fetch \(http://www.cmu.edu/computing/doc/software/fetch/index.html\)](http://www.cmu.edu/computing/doc/software/fetch/index.html) (Mac)

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Introduction

Terminal is an application which enables you to issue [UNIX commands](http://www.cmu.edu/computing/doc/unix/unix-andrew/commands.html) (<http://www.cmu.edu/computing/doc/unix/unix-andrew/commands.html>) on the local machine or login to a remote computer and issue commands as though you were typing on that computer's keyboard. The Terminal utility allows you to connect using the SSH-2 protocol for secure communication. It is the preferred ssh client for Mac OS X terminal sessions, however for SCP or SFTP file transfers [Fetch](http://www.cmu.edu/computing/doc/software/fetch/index.html) (<http://www.cmu.edu/computing/doc/software/fetch/index.html>) and [Fugu](http://www.cmu.edu/computing/doc/software/fugu/index.html) (<http://www.cmu.edu/computing/doc/software/fugu/index.html>) are also available. Computing Services supports the use of Terminal on Mac.

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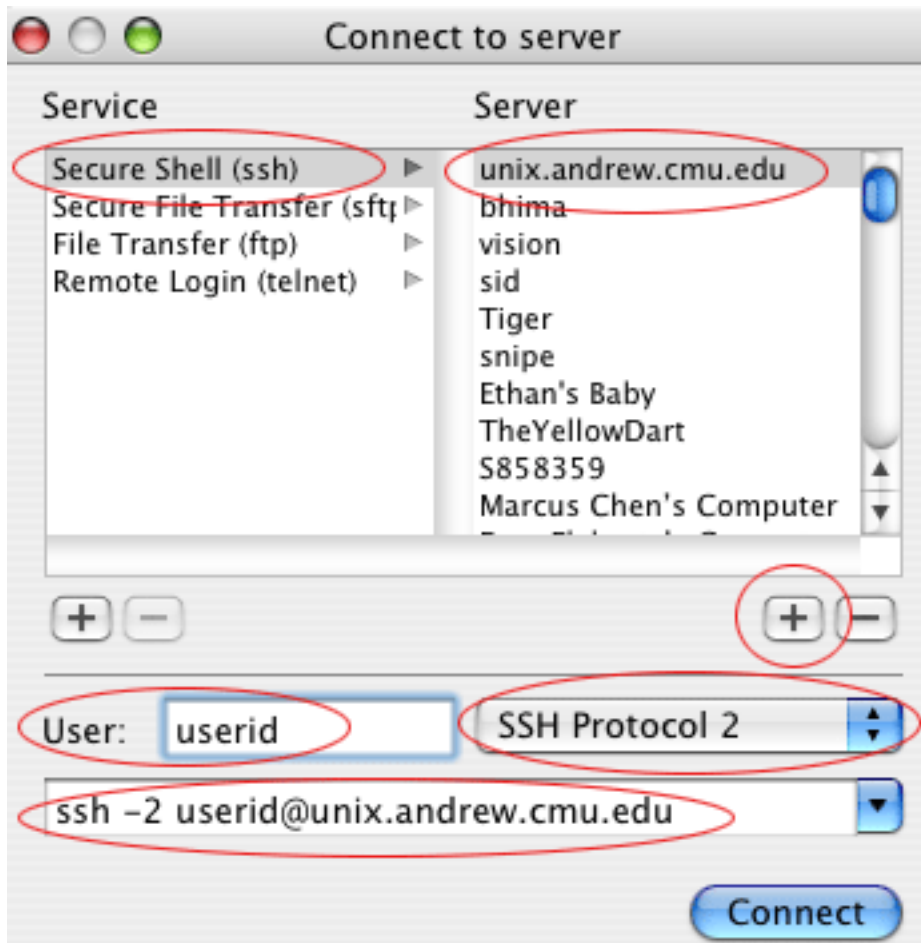
Connect Remotely

Follow the steps below to connect remotely using Terminal:

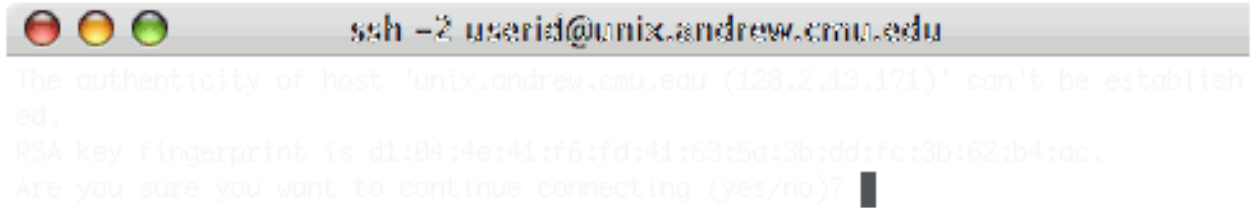
1. Select **Go > Applications** then **Utilities > Terminal**.
2. Do one of the following:
 - Mac OS X 10.4 - select **File > Connect to Server**.
 - Mac OS X 10.5 - select **Shell > New Remote Connection**
3. Under **Service**, select **Secure Shell (ssh)**.
4. Under **Server** click the **plus sign**. You are prompted to "Enter the name or IP address of a server...". Type the name or address for the host server that you want to access (e.g., unix.andrew.cmu.edu). Click **OK**.

Note: This server address will now appear in the Server list. The next time you wish to connect, you can select it from the list.
5. Type your **andrew UserID** in the **User** text box.
6. Select **SSH Protocol 2** from the drop-down list. (Note: selecting "SSH Automatic" from this list will also work.)
7. Select the server address from the drop-down list. The server address will appear as `ssh-2 userid@host server address`

Where *userid* is your Andrew userID and *host server address* is the address of the host server you are trying to connect to. In our example, the server address appears as: **ssh-2 userid@unix.andrew.cmu.edu**.
8. Click **Connect**.



9. The first time that you connect, you may receive a prompt that references the RSA key fingerprint. Type **yes**, and then press **Return** to continue.



10. Terminal will connect to the host server and prompt you for your Andrew password. Type your password and press **Enter**. The system prompt (%) appears ready to accept your command.
Note: If you already have valid kerberos tickets, you will not be prompted for a password but will be automatically logged in.
11. When you have finished, type **Exit** to close the Terminal window.

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Saving a Terminal Connection Shortcut

Creating shortcuts to host names or servers that are used often can save the user time. One option is for creating shortcuts in Terminal after [already connected](http://www.cmu.edu/computing/doc/software/terminal/terminal-pdf.html) (<http://www.cmu.edu/computing/doc/software/terminal/terminal-pdf.html>).

To create a connection shortcut WHILE ALREADY CONNECTED to the server and save it to your Desktop:

1. While connected to the server (that you want to create a shortcut for) through Terminal:
 - Mac OS X 10.4 - select **File > Save**.
 - Mac OS X 10.5 - select **Shell > Export Settings**.
2. In the dialog box enter the following:
 - Save As: enter a **name** for the shortcut
 - Where: select where you want to save the shortcut to (e.g., to your Desktop).
 - Click **Save**.

If you saved the Terminal connection to your Desktop, simply double-click on the icon to launch terminal and connect to that server.



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