

Using SSH Tectia Client on Windows

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- [User Profiles: Creating & Editing](#)
- [Configuration Tips](#)
(<http://www.cmu.edu/computingdoc/software/tectia/configure.html>)
- [Configuration Tips: Enterprise Application Customers Only](#)

For information related to this topic refer to:

- [Fetch](http://www.cmu.edu/computingdoc/software/fetch/index.html) (<http://www.cmu.edu/computingdoc/software/fetch/index.html>)
- [Fugu SFTP](http://www.cmu.edu/computingdoc/software/fugu/index.html) (<http://www.cmu.edu/computingdoc/software/fugu/index.html>)
- [Terminal](http://www.cmu.edu/computingdoc/software/terminal/index.html) (<http://www.cmu.edu/computingdoc/software/terminal/index.html>)

Note: This application has extensive user documentation available online. For more information, visit the Tectia.com website: <http://www.tectia.com> (<http://www.tectia.com>) .

Last Updated: 5/5/11

Introduction

SSH Tectia Client (Tectia), is a secure network connection system that provides a method to establish an encrypted connection to a remote machine. It also provides a secure file transfer program that transfers files from your local machine to a remote server.

Tectia is an updated version of SSH Secure Shell client and is available for the Windows operating systems (XP, Vista and Win7) only.

SSH Tectia Client is available for students, staff and faculty to be used for non-commercial purposes. Tectia can be download from the [Software download \(http://www.cmu.edu/computingsoftware/all/index.html\)](http://www.cmu.edu/computingsoftware/all/index.html) web page.

Last Updated: 07/26/10

Installing SSH Tectia Client

If you had previously installed SSH Secure Shell client, you will first need to uninstall that program; follow these steps:

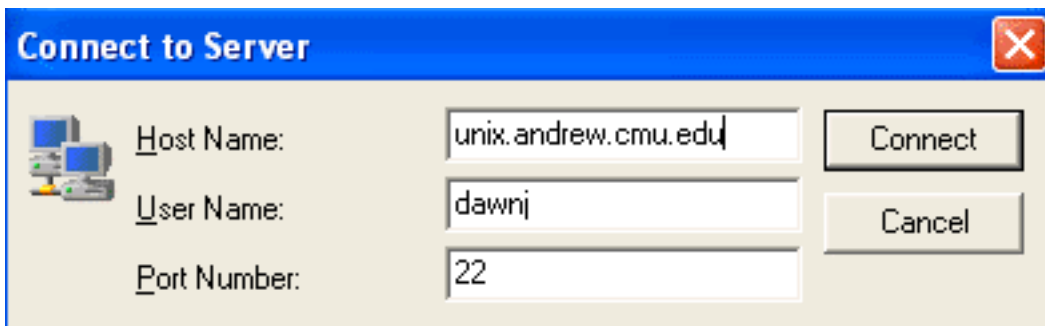
1. Before you uninstall previous versions of SSH Secure Shell, it is recommended that you make note of any Profile information.
2. **Start > My Computer > Add or remove programs.**
3. Locate **SSH Secure Shell** in the list of currently installed programs.
4. Click **Change/Remove** and follow the prompts to uninstall the program.
5. On the last screen of the SSH Secure Shell uninstall process, select the checkbox to **delete all Secure Shell user settings files**. You can [create new user profiles](#) in the SSH Tectia Client.
6. Download the [SSH Tectia Client installer](#).
(<http://www.cmu.edu/computingsoftware/all/tectia/download.html>) **Note:**
If you have an older version of SSH Tectia Client installed, you will need to quit the SSH Tectia Connection Broker prior to installing SSH Tectia. Right-click the **Tectia icon** in the **System** tray and choose **Exit**.
(<http://www.cmu.edu/computingsoftware/all/tectia/download.html>)
7. When prompted, **Run** the installer.
8. The Installation Wizard appears. Follow the steps provided to complete the installation. Be sure to accept the default for "Typical" installation.
Note for Enterprise Application users: During the installation, when you are prompted to choose your Carnegie Mellon Profile, select **Standard + Enterprise (SIS, HRIS, and PAS) profiles**. This will install the default profiles for each of these applications. If you selected "Standard profiles only" instead, you can [manually create the profiles](#).

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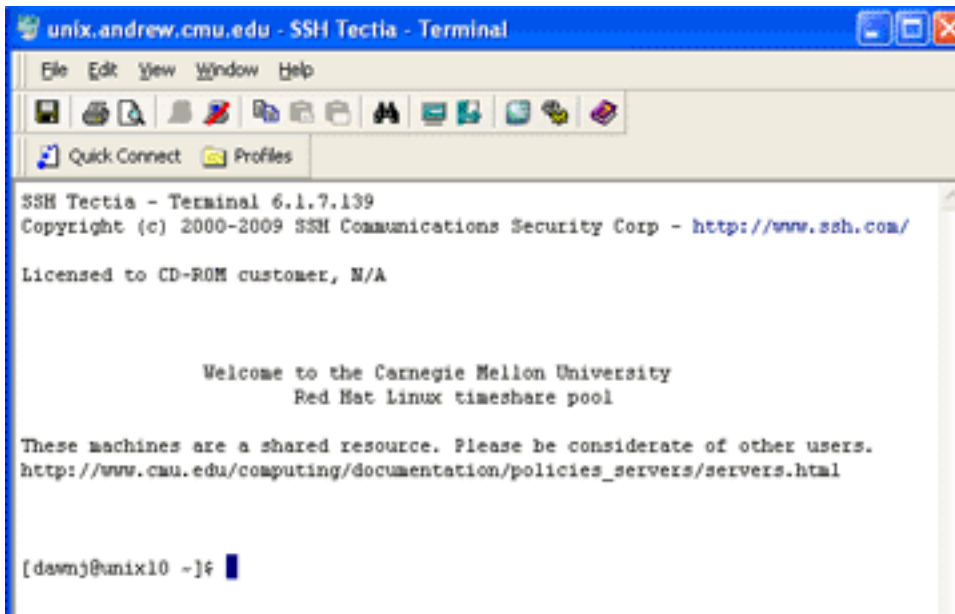
Connect Using SSH

Follow these instructions to use SSH Tectia Client to start a terminal connection to a remote server:

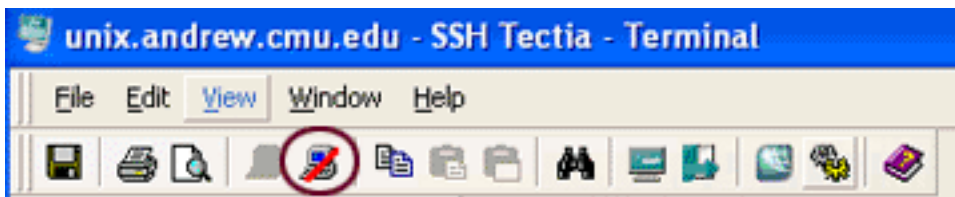
1. Launch the SSH Tectia Client application, **Start > All Programs > SSH Tectia Client > SSH Tectia Terminal**.
2. The SSH Tectia Terminal window is displayed.
3. Select **File > Quick Connect** or click on the **Quick Connect** button.
Note: You may be prompted to Add Profile after entering your password. This feature is not working as expected at this time and will result in ignoring the information you just entered and providing you with a blank profile. This has been reported to the vendor. For now, if you see the Add Profile prompt, click the X to close the window. If you would like to create a profile, visit the [User Profiles: Creating & Editing](#) page.
4. The Connect to Server dialog box is displayed.
5. In the **Host Name** field, enter the name or address of the server to which you would like to connect, such as **unix.andrew.cmu.edu**
6. Enter your **Andrew UserID** and click **Connect**.



7. You may be asked what you would like to do with the fingerprint of the host public key. You can [verify the SSH host key \(http://www.cmu.edu/computingdoc/software/ssh-hostkey/index.html\)](http://www.cmu.edu/computingdoc/software/ssh-hostkey/index.html), then select **Proceed with the connection and save the key for future use** and click **OK**.
8. Enter your password when prompted and click **OK**.
9. You will be connected to the specified server.



10. To end your session, exit any programs running in the terminal session, then select **File > Disconnect** or click on the **Disconnect** icon in the toolbar.



11. The Confirm Disconnect dialog box is displayed.
Note: If you do not want the Confirm Disconnect dialog box to appear each time you exit, click in the box next to Remember my answer.
12. Click **OK**.
13. Select **File > Exit** to close the Terminal window.

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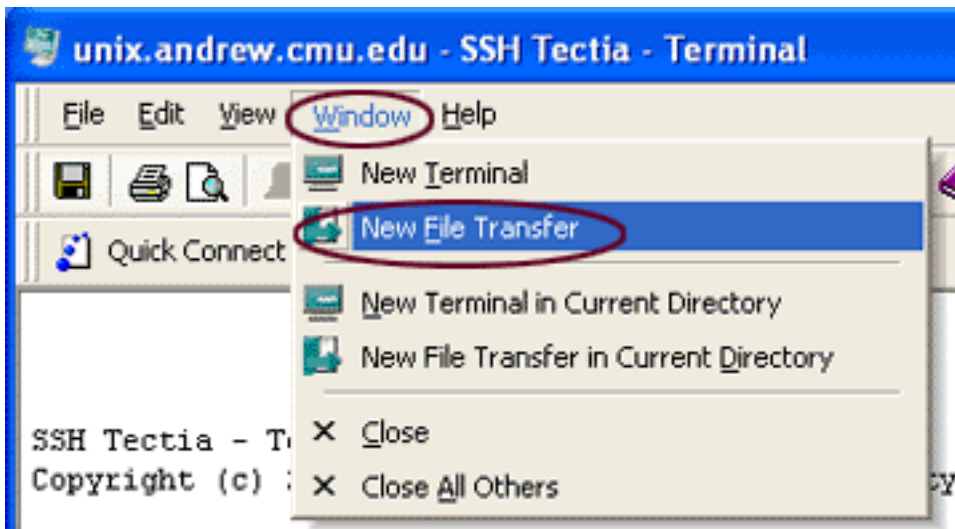
Transfer Files Using SFTP

Computing Services supports the use of the SSH Tectia client on Windows. Its graphic interface follows most of the standard Windows Explorer conventions. SFTP is set up so you can connect to a remote server simply by entering the name of the server, or its Internet address in the Hostname field of the Open Connection dialog box. The SSH window displays two Explorer-type subwindows: one for the Local Drives and one for the connected FTP directory. Files and directories can be dragged from one view and dropped on a target directory in the other, in order to generate standard FTP transfer operations. In addition, you can right-click on an item to generate a menu of options, and left-click a selected item to edit the item's label.

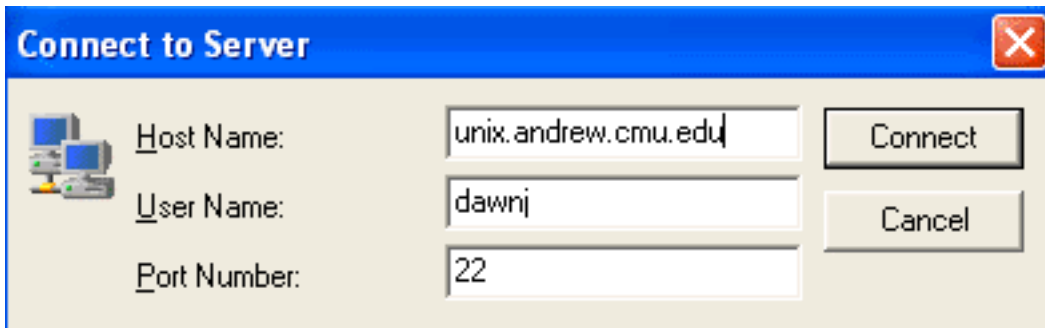
Follow these instructions to use SSH Tectia Client to transfer files to a remote server:

1. Launch the SSH Tectia Client application, **Start > All Programs > SSH Tectia Client > SSH Tectia File Transfer**.

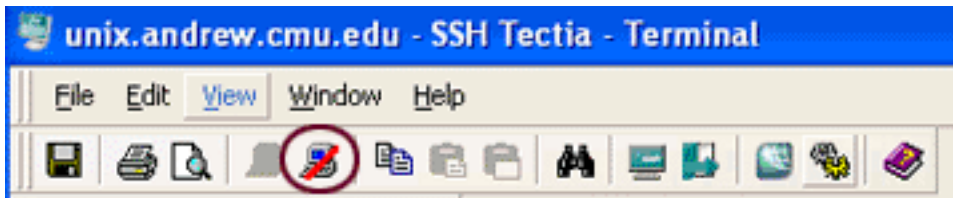
Note: If you already have a **SSH Tectia Terminal** window open, you can select **Window > New File Transfer** from the menu to open a window for file transfers and skip to step 9.



2. The SSH Tectia File Transfer window is displayed.
3. Select **File > Quick Connect** or click on the **Quick Connect** button.
Note: You may be prompted to Add Profile after entering your password. This feature is not working as expected at this time and will result in ignoring the information you just entered and providing you with a blank profile. This has been reported to the vendor. For now, if you see the Add Profile prompt, click the X to close the window. If you would like to create a profile, visit the [User Profiles: Creating & Editing](#) page.
4. The Connect to Server dialog box is displayed.
5. In the **Host Name** field, enter the name or address of the server to which you would like to connect, such as **unix.andrew.cmu.edu**
6. Enter your **Andrew UserID** and click **Connect**.



7. You may be asked what you would like to do with the fingerprint of the host public key. You can [verify the SSH host key](http://www.cmu.edu/computingclusters/software/linux/fingerprint/keyidentify.html) (<http://www.cmu.edu/computingclusters/software/linux/fingerprint/keyidentify.html>), then select **Proceed with the connection and save the key for future use** and click **OK**.
8. Enter your password and click **OK**.
9. You will be connected to the specified server and can begin transferring your files.
10. To end your session, exit any programs running in the terminal session, then select **File > Disconnect** or click on the **Disconnect** icon.



11. The Confirm Disconnect dialog box is displayed.
Note: If you do not want the Confirm Disconnect dialog box to appear each time you exit, click in the box next to Remember my answer.
12. Click **OK**.
13. Select **File > Exit** to close the File Transfer window.

Transfer Files from Another's AFS Space

To transfer files from another user's home directory (AFS space) on unix.andrew.cmu.edu, follow these steps:

1. Launch **Start > All Programs > SSH Tectia Client > SSH Tectia File Transfer**.
2. Click **Quick Connect** and in the Connect to Remote Host dialog box, type **unix.andrew.cmu.edu**.
3. Click **Connect** and enter your password when prompted.
4. Next, enter the path to the person's home directory in the text field:
/afs/andrew/cmu.edu/usr/AndrewUserID.
5. Follow the steps (above) to transfer file(s) to your local computer. Be default, the public folder is readable by all Andrew users. Use this folder when sharing files.
Note: Each user can set access rights for their AFS space. You may or may not have access to read other folders in this space. For more information on access rights, see the [Protection Rights](#)

(<http://www.cmu.edu/computingdoc/unix/pts-groups/protect-rights.html>) section of the Unix documentation.

Last Updated: 09/21/10

SSH Tectia Client User Profiles: Creating & Editing

Profiles are created to aid in connecting to servers. In other software applications, "profiles" would be known as "favorites" or "shortcuts".

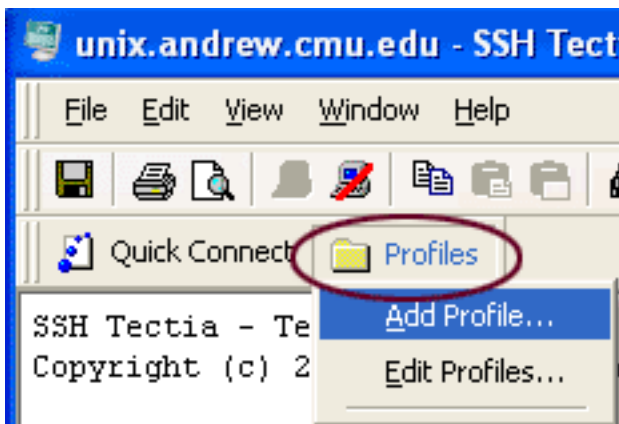
Profile Descriptions

The following is a list of some of the more popular servers for which you may want to create a profile:

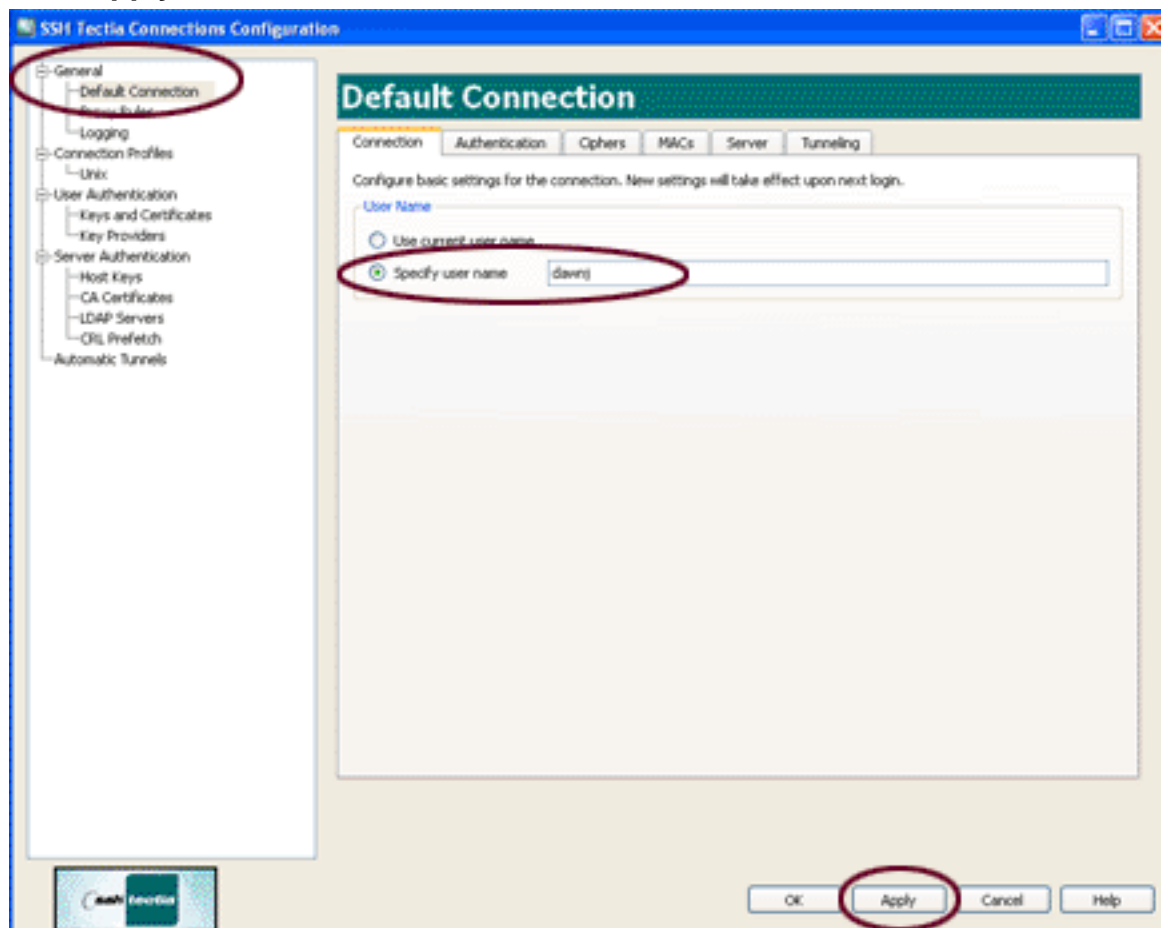
Accessed	Host name	Uses
SFTP	unix.andrew.cmu.edu	Typically used by students for file transfers to the Andrew Unix pool of computers.
SFTP	ac-files.andrew.cmu.edu	Used by HRIS, SIS and PAS customers to obtain reports created by business applications.
SFTP	sis.as.cmu.edu	Used by a very limited number of power or administrative users to access SIS.
SSH	unix.andrew.cmu.edu	Typically used by students for access to the Andrew Unix pool of computers.
SSH	acis.as.cmu.edu	Used to access Enterprise applications SIS, HRIS and PAS. Upon login, a menu of systems appears.

Creating a Profile

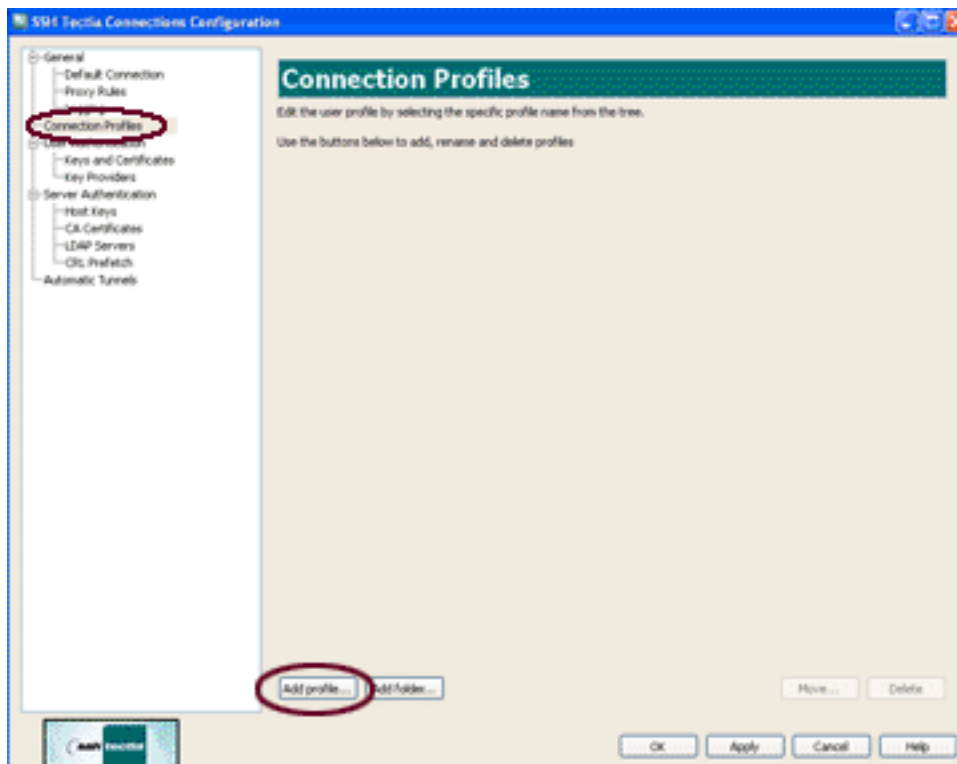
1. Open the SSH Tectia Client application, **Start > All Programs > SSH Tectia Client >** and either **SSH Tectia-Terminal** or **SSH Tectia-File Transfer**.
2. Under the **File** menu, select **Profiles > Add Profile**, or select the icon for **Profiles > Add Profile** from the toolbar.



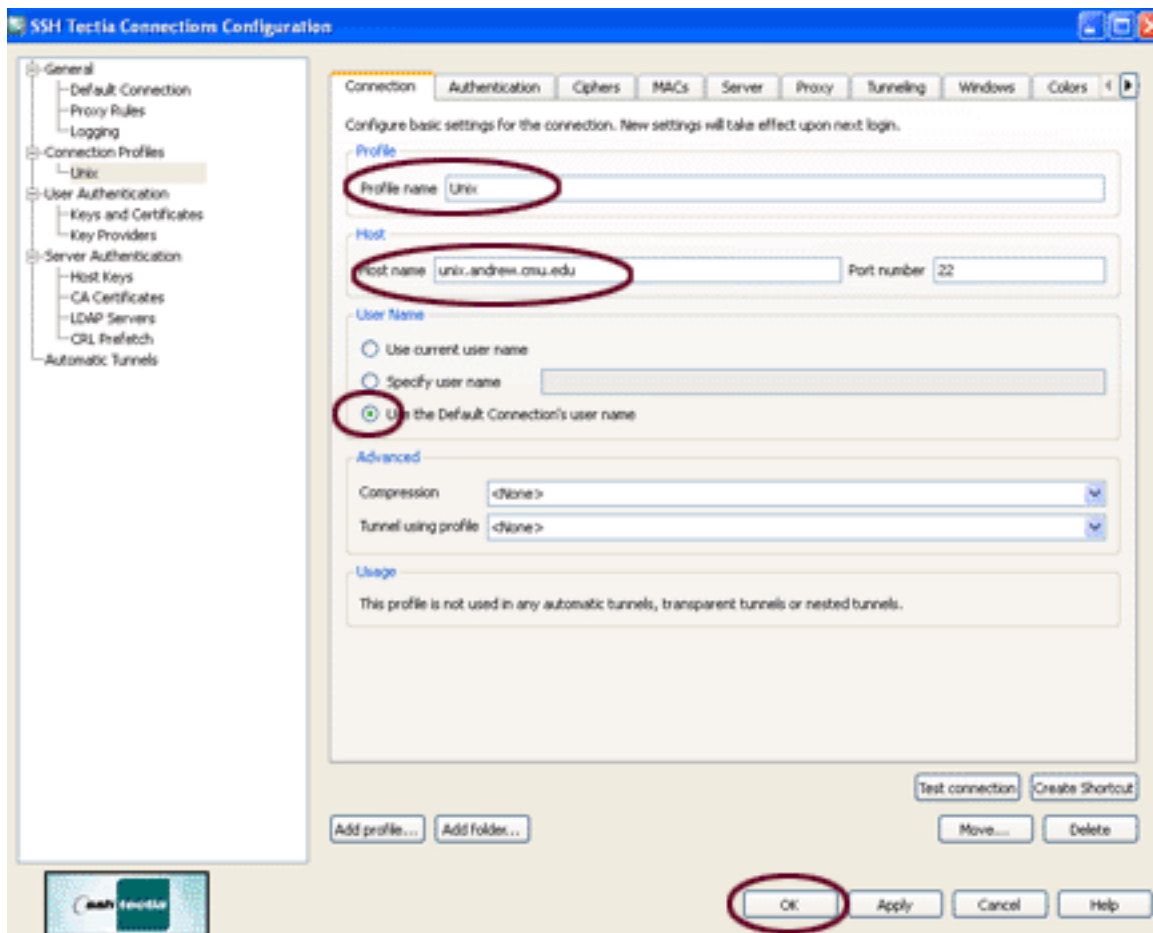
3. If this is your first time created a User Profile:
 - a. Select **General > Default Connection**.
 - b. In the **User Name** area, select **Specify user name** and enter your Andrew ID in the text field.
 - c. Click **Apply**.



4. Select **Connection Profiles**.
5. Select **Add Profile** from the bottom of the screen.



6. Type a name for your profile into the **Profile Name** text field (for example, **Unix**).
Note: If your profile name contains a period, the process to create a shortcut for it will fail. To circumvent this, do not use periods in your profile name.
7. Type the host name into the **Host Name** text field (such as, **unix.andrew.cmu.edu**).
8. In the **User Name** area, select **Use the Default Connection's user name**.

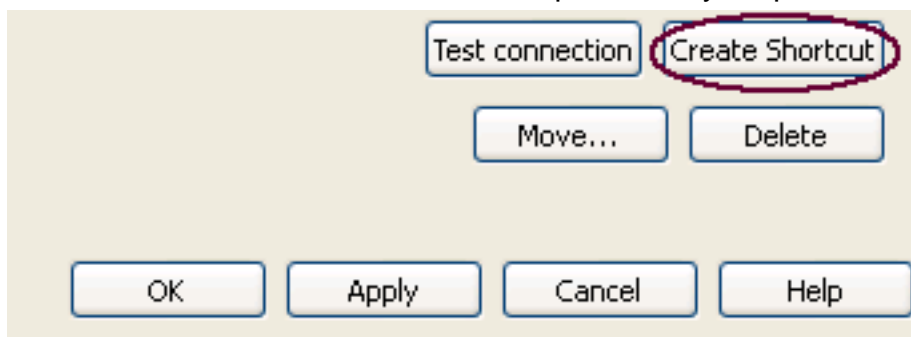


9. Select the tab for **Windows**.
10. Select if you would like the profile to open a **Terminal** or **File Transfer** window.

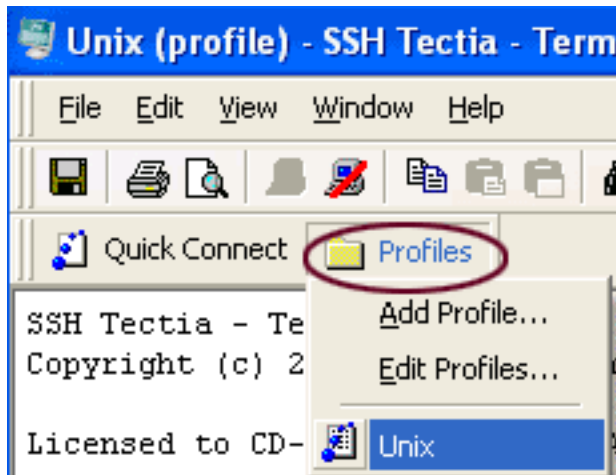


11. If you would like to have a shortcut created on your Desktop, select **Create Shortcut**.

Note: If your profile name contains a period, the process to create a shortcut for it will fail. To circumvent this, do not use periods in your profile name.



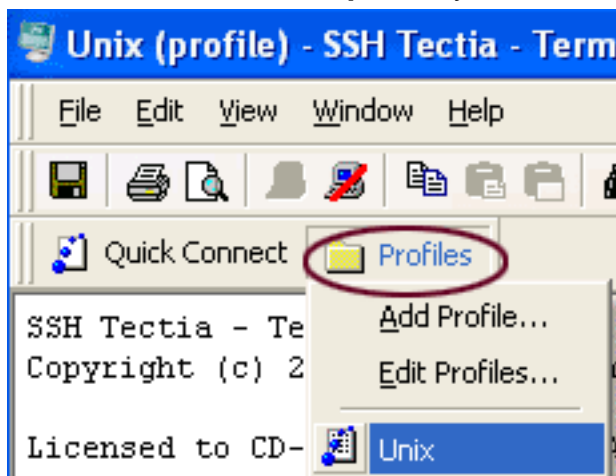
12. Click **OK**.
13. To test your profile, under the **Profiles folder icon**, select the **name of the profile** you just added.



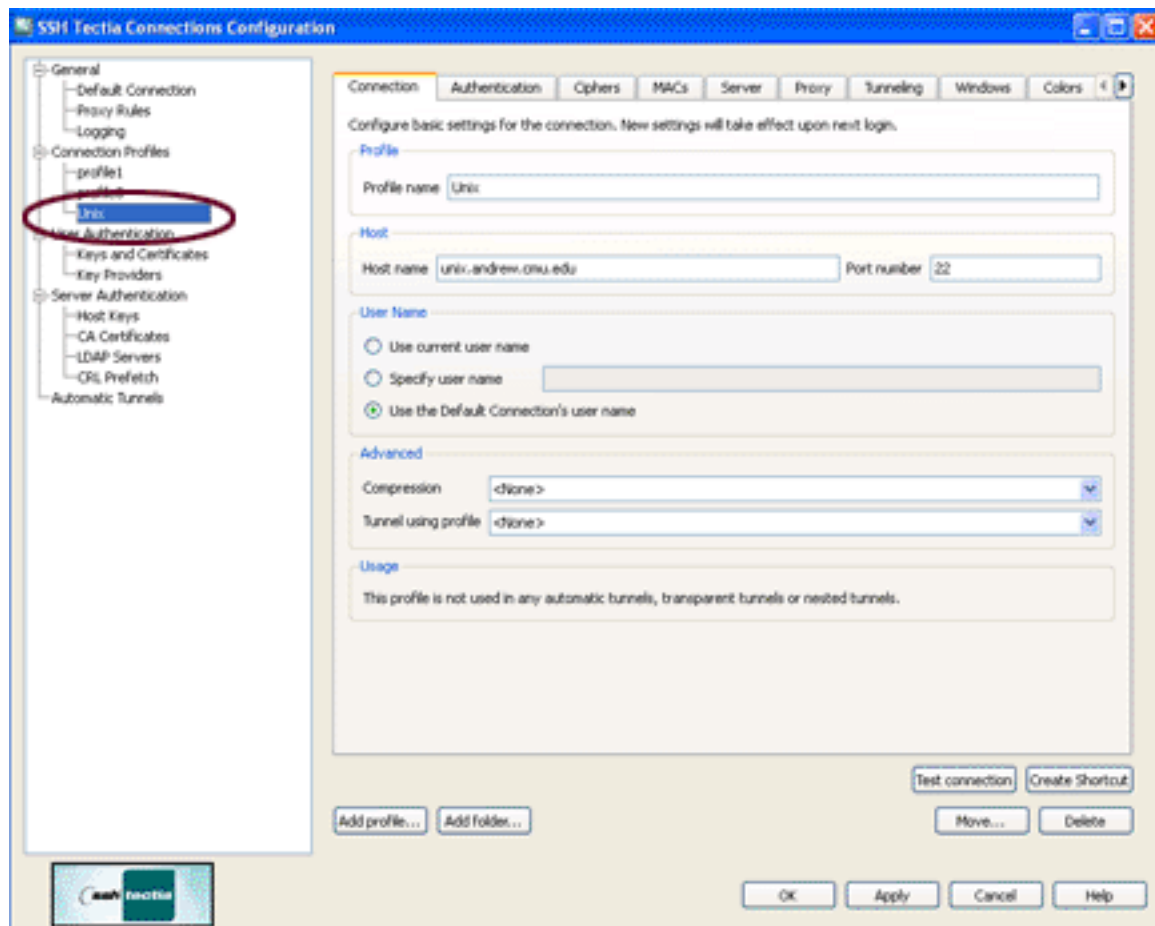
14. Enter your password when prompted.
15. You are now connected to the server.
16. The profile is now available under the Profiles folder icon for both the SSH Tectia-Terminal and SSH Tectia-File Transfer applications.

Editing a Profile

1. Open the SSH Tectia Client application, **Start > All Programs > SSH Tectia Client >** and either **SSH Tectia-Terminal** or **SSH Tectia-File Transfer**.
2. Under the **File** menu, select **Profiles > Add Profile**, or select the icon for **Profiles > Add Profile** from the toolbar.
3. Select the **name of the profile** you want to edit (i.e., Unix).



4. Under the **Connection Profiles tab**, select and edit the information.



5. Select **OK**.

Last Updated: 10/1/10

Configuration Tips: Enterprise Applications

The following configuration information is applicable to those who use the SSH Tectia Client for Enterprise applications (e.g., SIS, HRIS, PAS).

Setting Font and Terminal Window Size

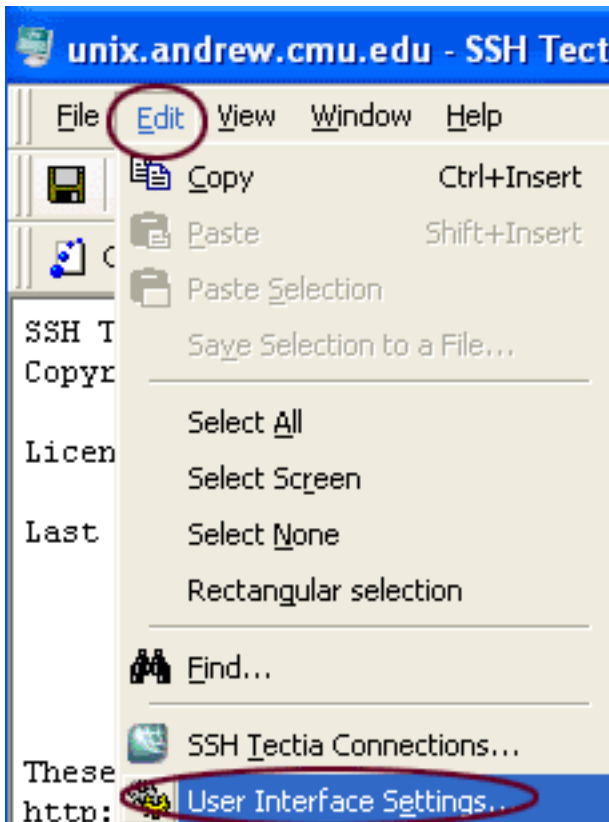
Steps to set the font or terminal window size are useful in the following situations:

- If you selected **Standard + Enterprise (SIS, HRIS, and PAS) profiles** during the installation process, but later changed your font, size settings.
- If you selected **Standard Profiles only** during the installation process and need to [manually create the profiles](#).

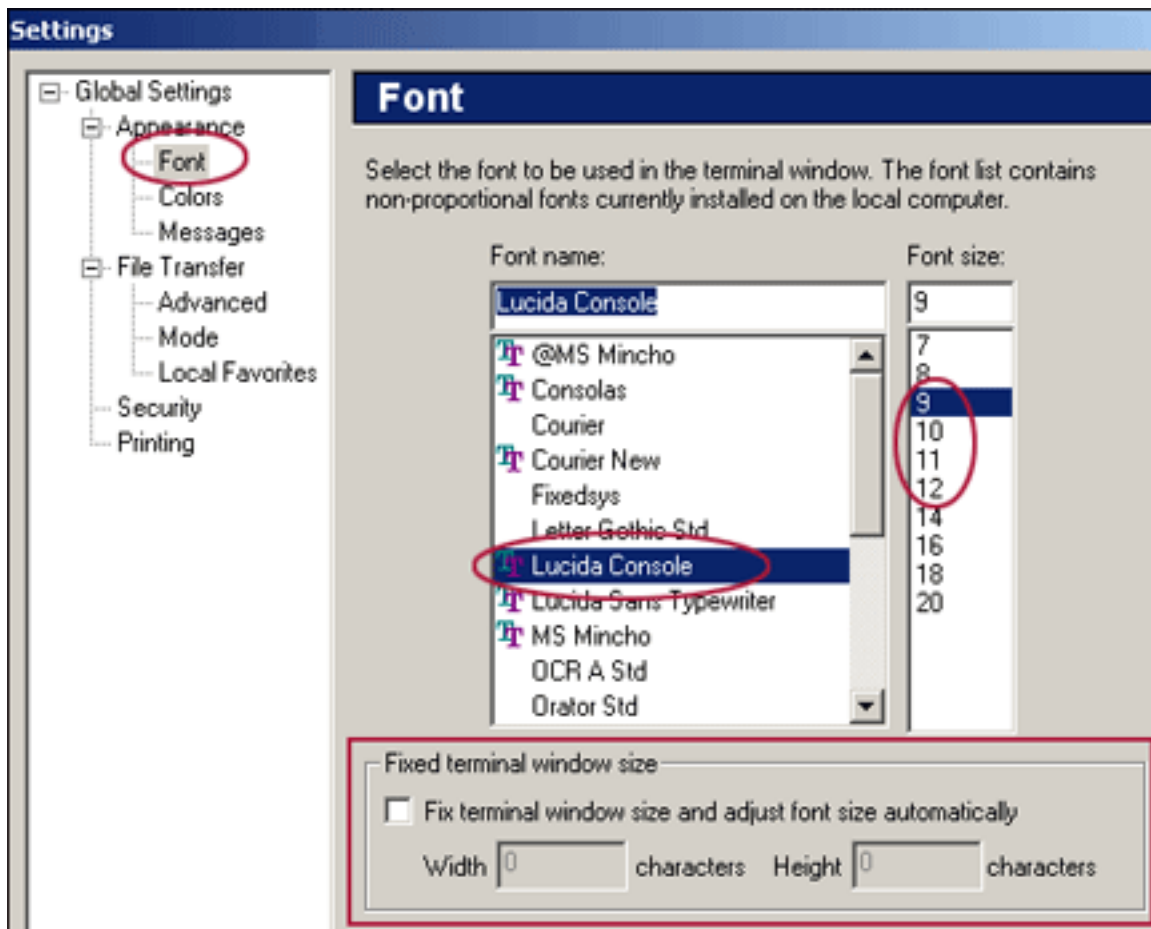
Setting the Font

The optimal font for displaying Enterprise Applications is Lucida Console. This may already be set as the default font for your application. Use the following instructions to verify, or change, the font.

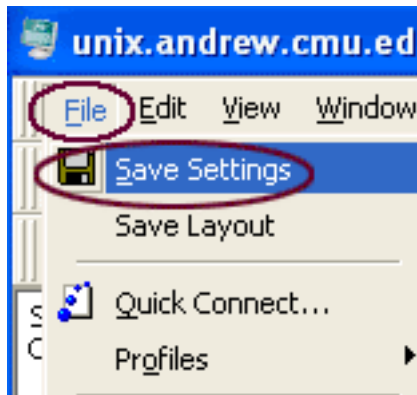
1. [Launch the SSH Tectia Client](#), **Start > All Programs > SSH Tectia Client**.
2. Select **Edit > User Interface Settings**.



3. Select **Global Settings > Appearance > Font**, and then set the following:
 - Select the **Lucida Console** font.
 - Set the font size you prefer, sizes 9 through 12 are recommended.
 - Be sure that the "Fixed terminal windows size" box is NOT selected.



1. Click **OK**.
2. Select **File > Save Settings**.

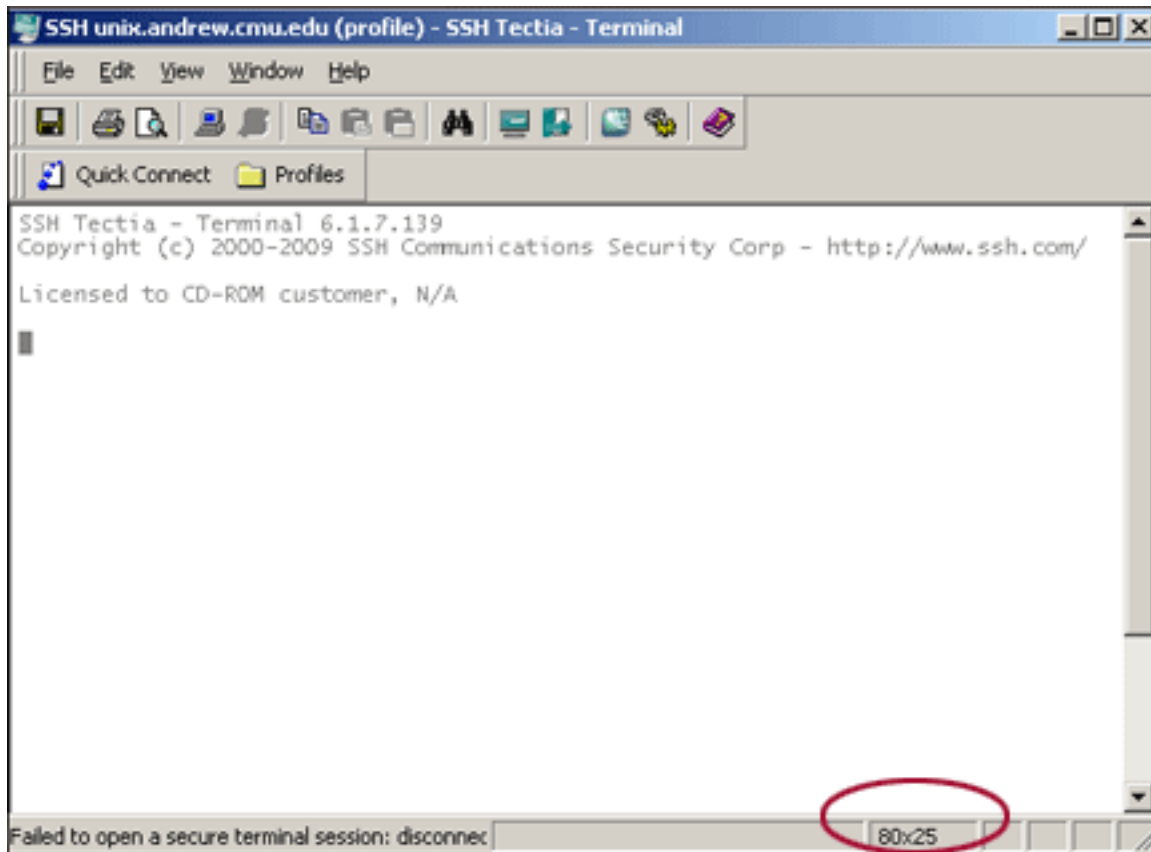


Setting the Terminal Window Size

Follow these steps to set the size (i.e., number of rows and columns) of the Terminal window for each SSH profile. These steps do not apply to File Transfer profiles.

1. Select **File > Profiles** and then select the Profile for which you want to set the Terminal window size.
Note: For those who use HRIS, SIS and PAS select the profile named "SSH acis.as.cmu.edu."

2. When prompted for your password, click **Cancel** and then **OK** to dismiss the login dialog box.
3. Using your mouse pointer, resize the Terminal window so it displays a size of 80x25 in the bottom status bar.

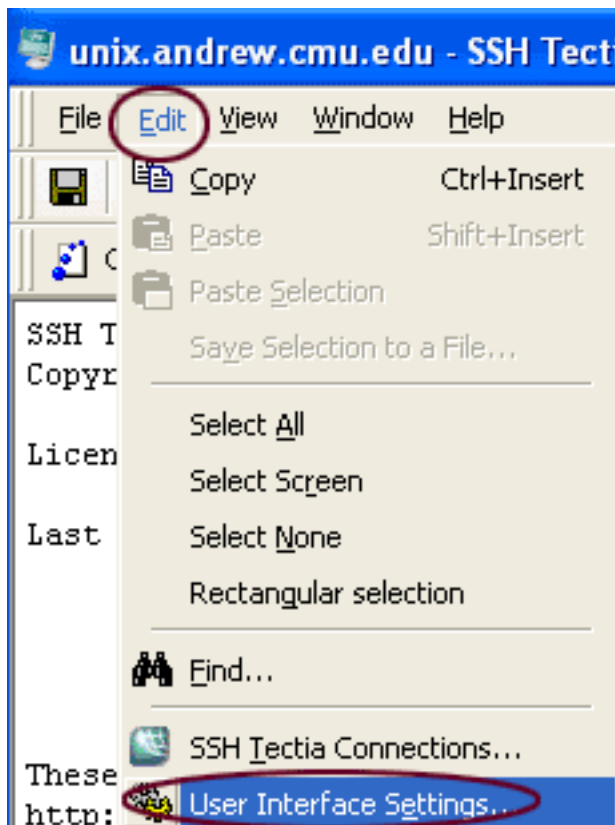


4. To save this change, select **File > Save Layout**.
5. As necessary, repeat these steps for other Profiles.

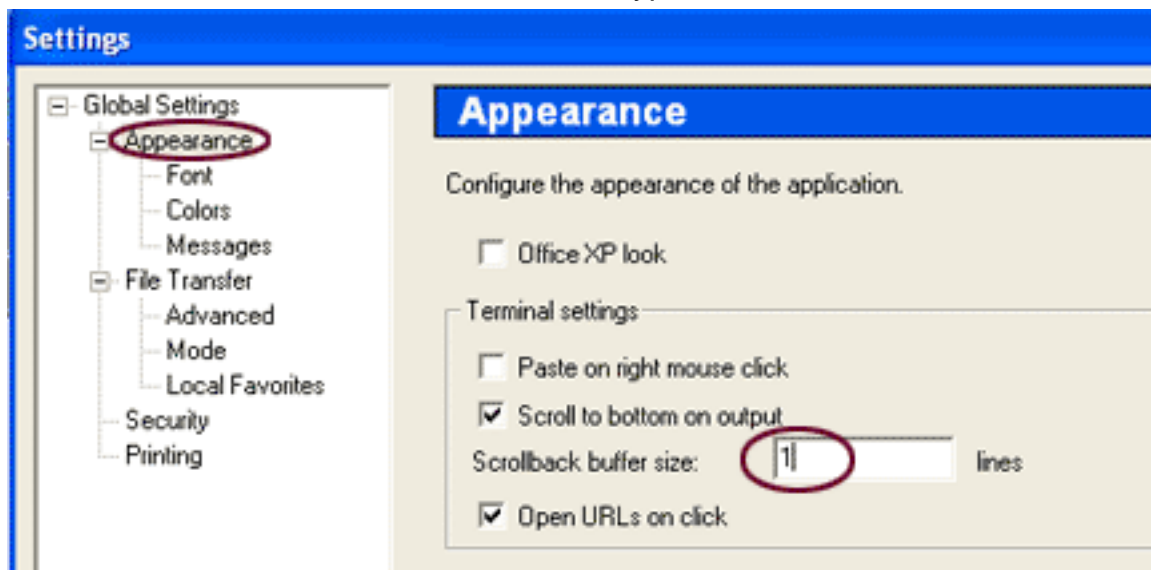
Printing One Screen

The default setting for printing may result in more than one screen printing at a time. Use the following instructions to limit the print request to one screen only.

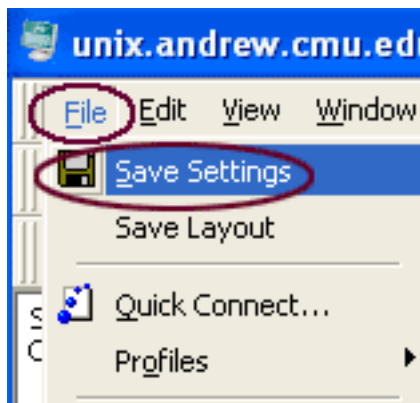
1. Select **Start > All Programs > SSH Tectia Client**.
2. Select **Edit > User Interface Settings**.



3. Select **Global Settings > Appearance**.
4. In the text area for **Scrollback buffer size**, type 1.



5. Click **OK**.
6. Select **File > Save Settings**.



Last Updated: 11/15/10