

# How to use an SSH and SFTP Client

## Contents

Introduction .....	2
1 – WinSCP .....	2
1.1 – Download WinSCP from their website .....	2
1.2 – Logging in and transferring files using WinSCP .....	3
1.3 – Navigating the filesystems in WinSCP .....	5
2 - PuTTY .....	7
2.1 - Install PuTTY .....	7
2.2 – Opening a session in PuTTY .....	7

# Introduction

This article will go over the steps to use an SSH and SFTP client. In this example we are using WinSCP and PuTTY.

## Objectives

- Download WinSCP
- Open a session in WinSCP
  - How to transfer a file/navigate the filesystem
- Download PuTTY
- Open a session in PuTTY

## 1 – WinSCP

This section will go over the steps to download and use WinSCP.

### 1.1 – Download WinSCP from their website

- 1) Open a browser and navigate to <https://winscp.net/eng/download.php>
- 2) As seen in figure 1.1-1, click the download button.

**Figure 3.1-3 – WinSCP download**



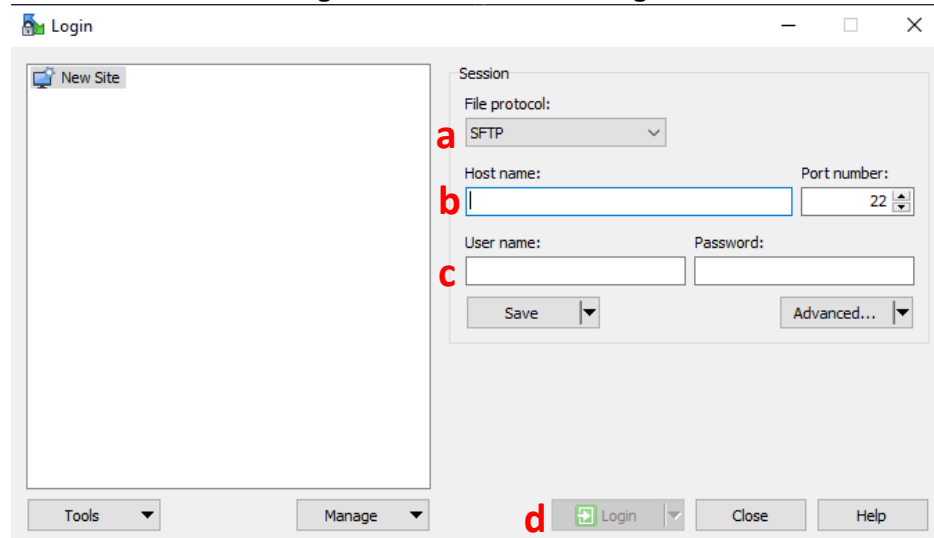
- 3) Run the executable downloaded.

## 1.2 – Logging in and transferring files using WinSCP

This section goes over the basics of logging into the AXC F 2152 as well as navigating and transferring files.

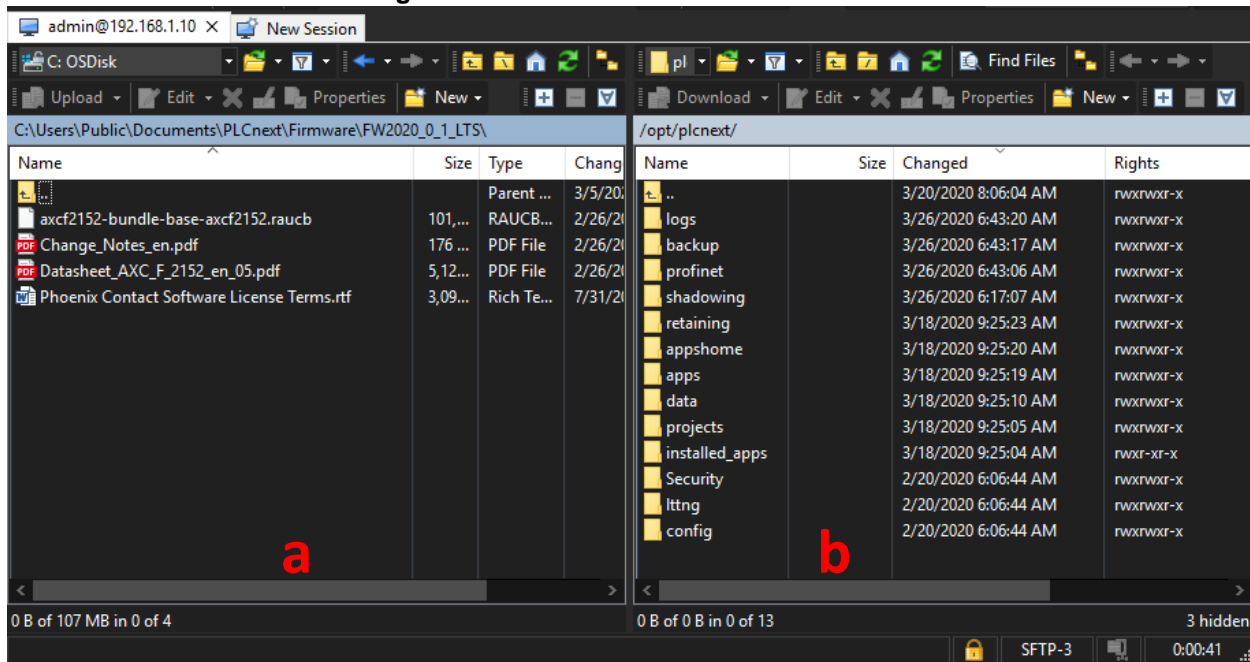
- 1) Open up WinSCP.
- 2) Once open make sure file protocol (a) is set to SFTP as shown in Figure 1.2-1.

**Figure 1.2-1 WinSCP settings**



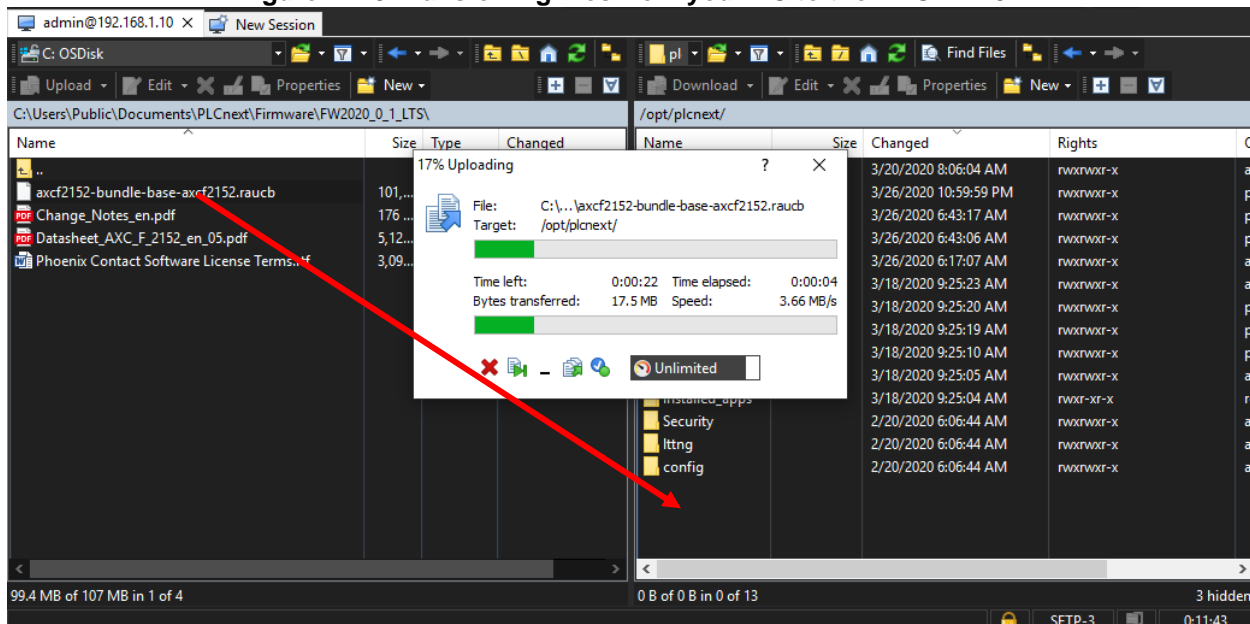
- 3) Once these settings are correct, in the host name (b) type the IP address (192.168.1.10 is default), and the admin login credentials of your AXC F 2152 (c).
- 4) Click Login (d).
- 5) Once connected, the left side (a) is your local PC files, and the right side (b) is the AXC F 2152's files as shown in figure 1.2-2.

**Figure 1.2-2 Files on WinSCP connection**



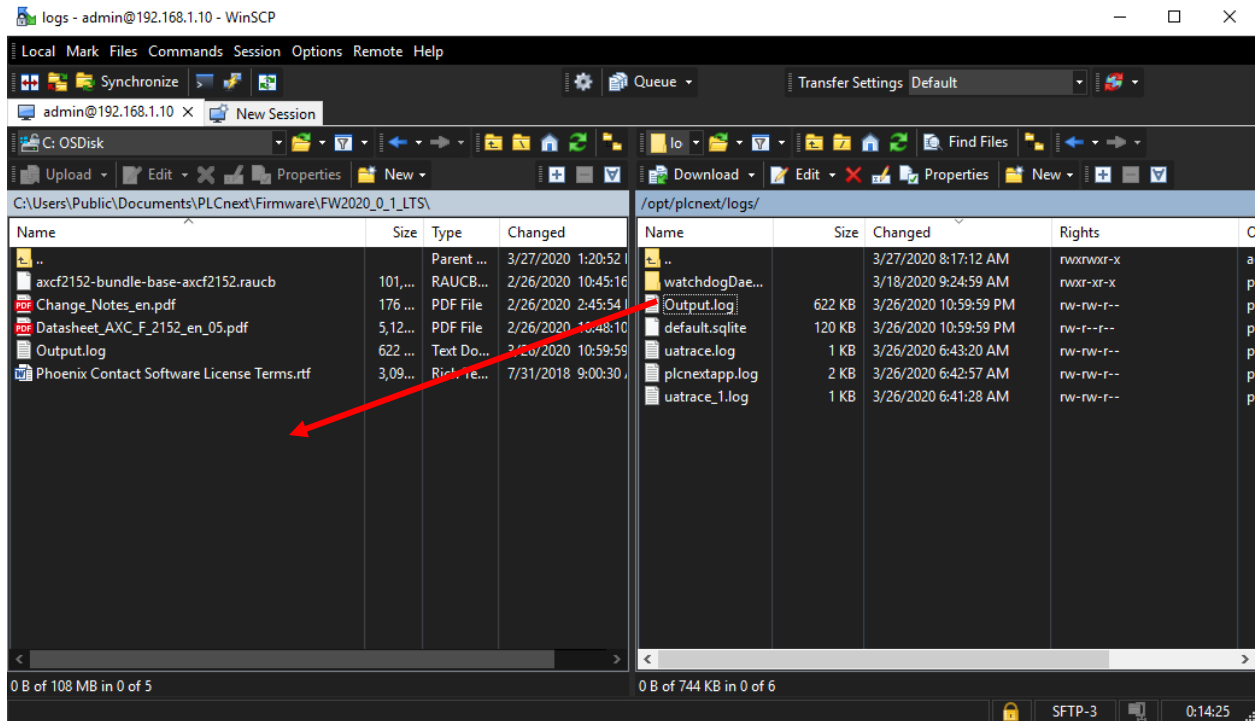
- 6) On the left side (a), is your PC's local file system. On the right side (b) is the AXCF 2152's filesystem.
- 7) To transfer a file from your PC to the AXCF 2152, drag and drop a file from the left to right (in empty space!), and a pop-up will show that the file is transferring as shown in figure 1.2-3.

**Figure 1.2-3 Transferring files from your PC to the AXCF 2152**



- 8) To transfer a file from the AXCF 2152 to your PC, drag and drop a file from the AXCF 2152 as shown in figure 1.2-4. A popup may show stating that it is copying as shown in figure 1.2-3, depending on the file size.

**Figure 1.2-4 Transferring files from the AXC F 2152 to your PC**

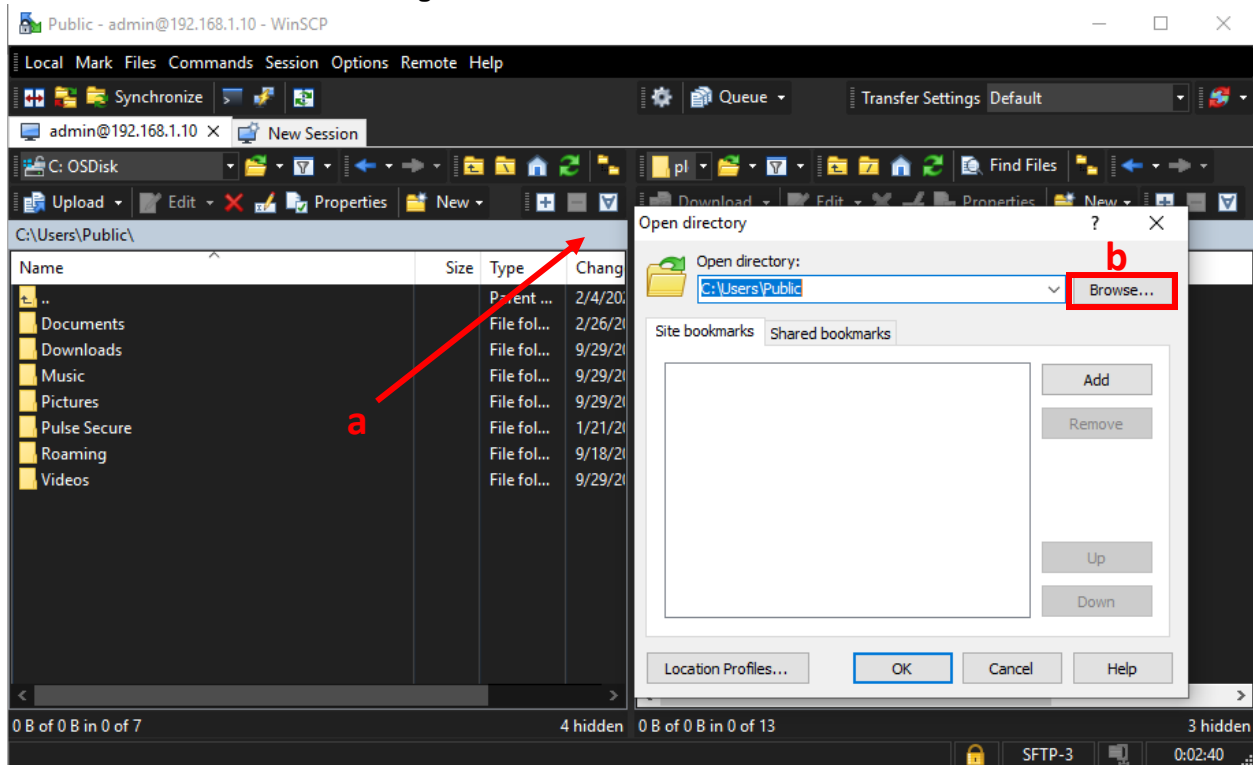


### 1.3 – Navigating the filesystems in WinSCP

This section goes over navigating the filesystems in WinSCP

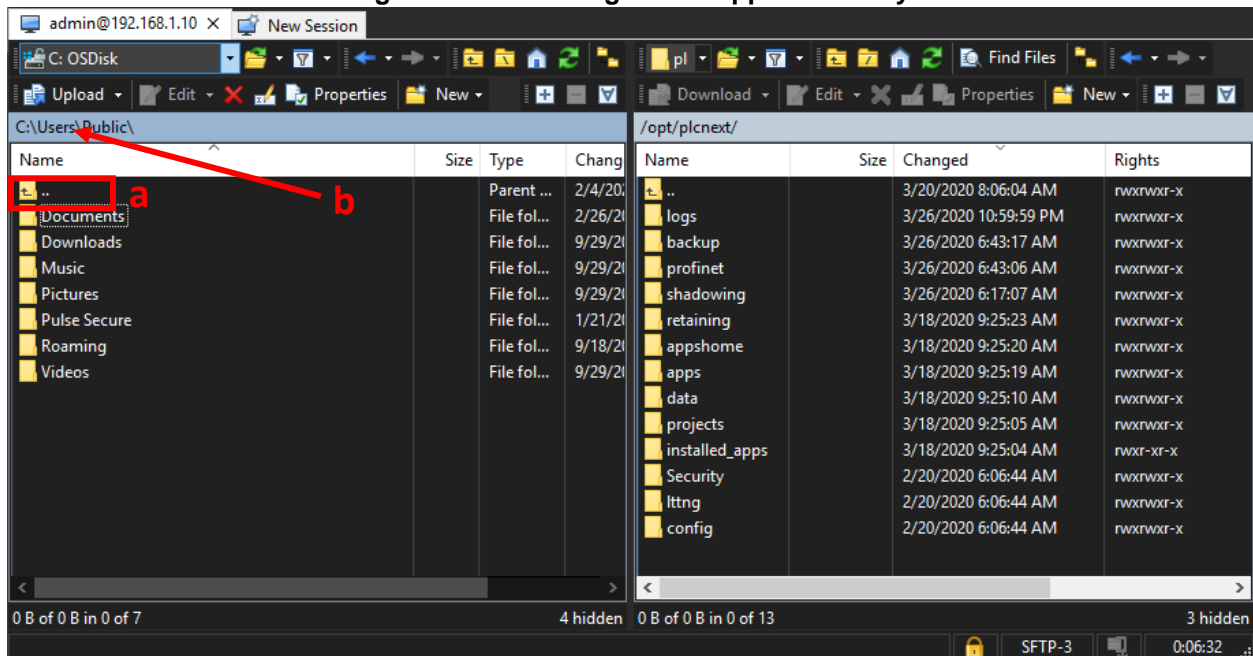
- 1) To browse your local file system for a location, double click the blue bar(a) (not on the text!) then click browse (b) shown in figure 1.3-1.

Figure 1.3-1 How to browse local files



- 2) To navigate into a folder, double click the folder name.
- 3) To navigate back one folder, click the ..(a) or click the previous folder name in the blue bar (b) in figure 1.3-2.

Figure 1.3-2 How to go to an upper directory



## 2 - PuTTY

This section will go over how to download and use PuTTY for an SSH session.

### 2.1 - Install PuTTY

- 1) To install PuTTY go to <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>
- 2) Click link a circled in red for a 32-bit system, and link b circled in red for a 64-bit system shown in figure 2.1-1.
  - a. If you do not know what bit system you are running, follow the instructions here on how to check: <https://support.microsoft.com/en-us/help/13443/windows-which-version-am-i-running>

Figure 2.1-1 PuTTY installation website

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**Download PuTTY: latest release (0.73)**

[Home](#) | [FAQ](#) | [Feedback](#) | [Licence](#) | [Updates](#) | [Mirrors](#) | [Keys](#) | [Links](#) | [Team](#)  
Download: [Stable](#) · [Snapshot](#) | [Docs](#) | [Changes](#) | [Wishlist](#)

This page contains download links for the latest released version of PuTTY. Currently this is 0.73, released on 2019-09-29.

When new releases come out, this page will update to contain the latest, so this is a good page to bookmark or link to. Alternatively, here is a [permanent link to the 0.73 release](#).

Release versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code available. If you have a problem with already been fixed in those versions.

**Package files**

You probably want one of these. They include versions of all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

**MSI ('Windows Installer')**

32-bit:	<a href="#">putty-0.73-installer.msi</a> <b>a</b>	(or by FTP)	(signature)
64-bit:	<a href="#">putty-64bit-0.73-installer.msi</a> <b>b</b>	(or by FTP)	(signature)

**Unix source archive**

.tar.gz:	<a href="#">putty-0.73.tar.gz</a>	(or by FTP)	(signature)
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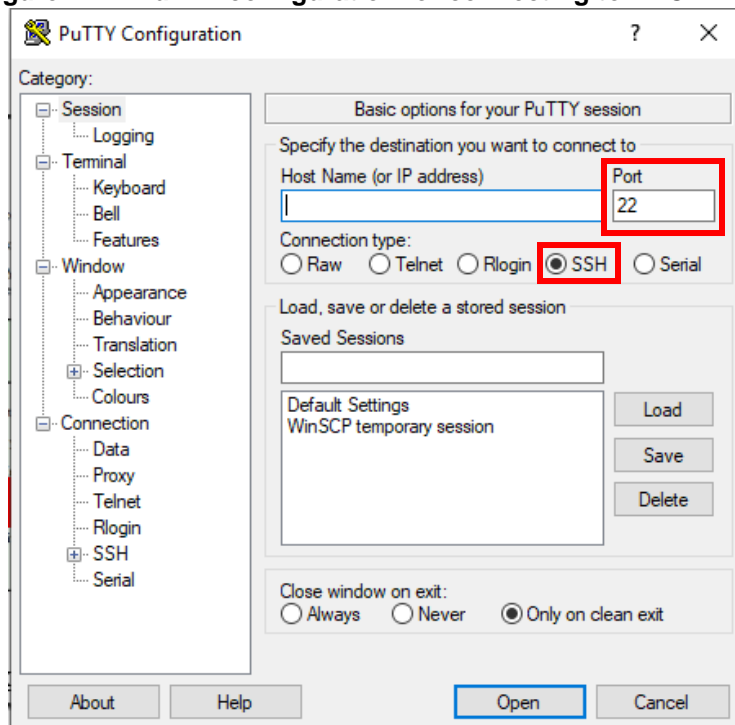
- 3) Run the .msi installer and follow the steps.

### 2.2 – Opening a session in PuTTY

In this section, we will go over how to open a session in PuTTY.

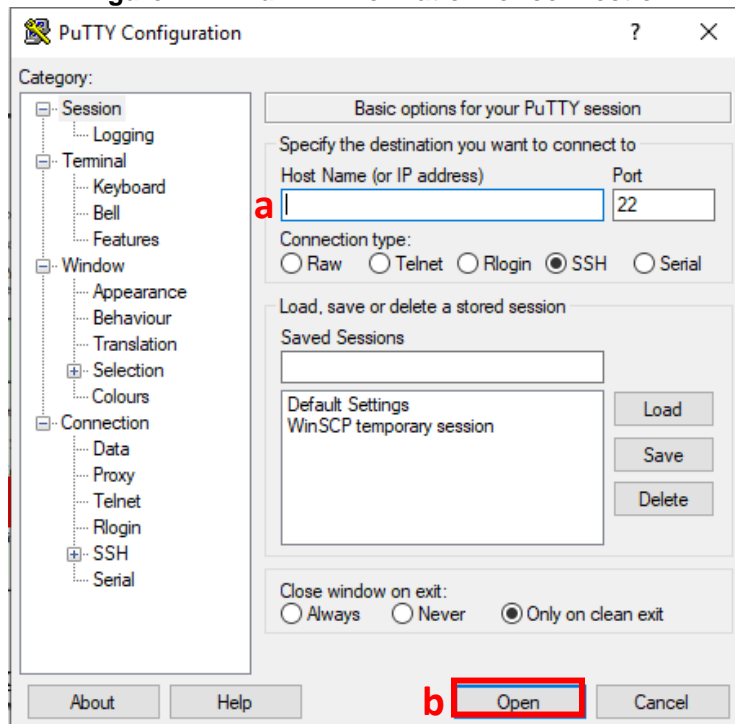
- 1) Open PuTTY on your PC.
- 2) Check and make sure the settings circled in figure 2.2-1 match.

**Figure 2.2-1 PuTTY configuration for connecting to AXC F 2152**



- 3) Enter the IP address of the AXC F 2152 (a) (192.168.1.10 default), and open (b) as shown in figure 2.2-2.

**Figure 2.2-2 PuTTY information for connection**





- 4) Once opened, enter the user “admin” then enter in the command line as shown in figure 2.2-3

**Figure 2.2-3 Entering username in PuTTY**

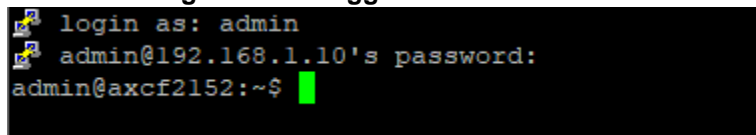


- 5) Enter the admin password (default is printed on housing) then hit enter.

**NOTE:** The password will not show and the cursor will not move!

- 6) If your screen matches figure 2.2-4 you are now logged into the AXC F 2152 via SSH.

**Figure 2.2-4 Logged into AXC F 2152**



To create a root user, refer to Appendix 4.

To learn basic commands in SSH, refer to Appendix 5.