

Using WinSCP

Using WinSCP within the nanoFAB

Connecting to AFS server

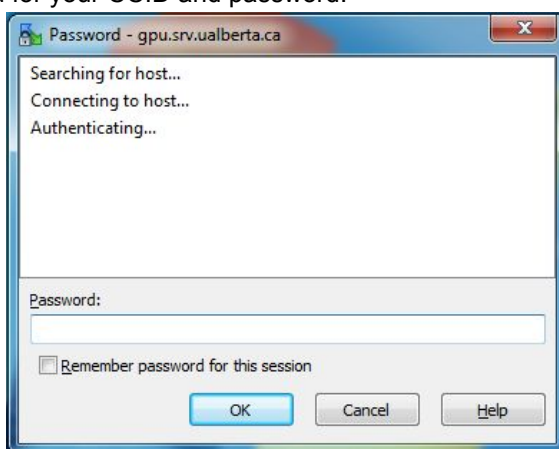
1. On Tool and Public access computers within the nanoFAB, there should be two icons on the desktop:



WinSCP: To use WinSCP to connect to an external server or to manually enter a server address, see: [Connecting to an external server](#) later in this document.

University AFS Space: This icon will use WinSCP to automatically connect to the University of Alberta AFS servers. Double click on this icon to start the connection to the University of Alberta AFS servers.

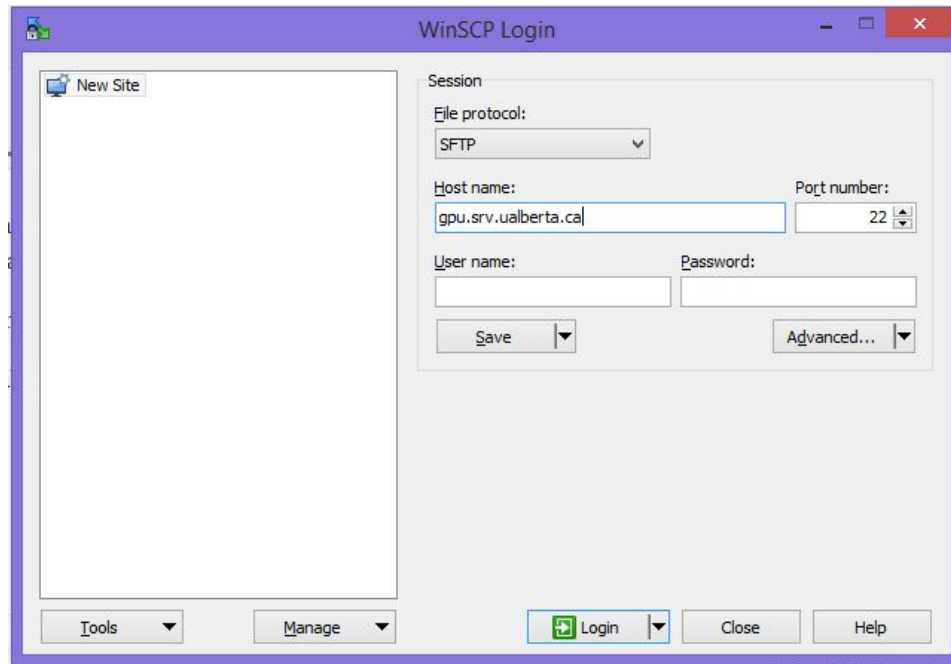
2. WinSCP will prompt you for your CCID and password:



3. Once logged in you will see two panes. The left side is the local computer, and the right side is the University of Alberta AFS store. You can copy/paste your data into the right side of the window to upload to AFS.
4. Once you've uploaded your data, exit the application and you will be logged out of AFS.
5. See **Retrieve your data from AFS** for details on how to retrieve your data from AFS.

Connecting to an external server

1. WinSCP can also be used to transfer data to and from any SFTP server. To start, double click on the WinSCP icon on the desktop and the “WinSCP Login” window will appear:

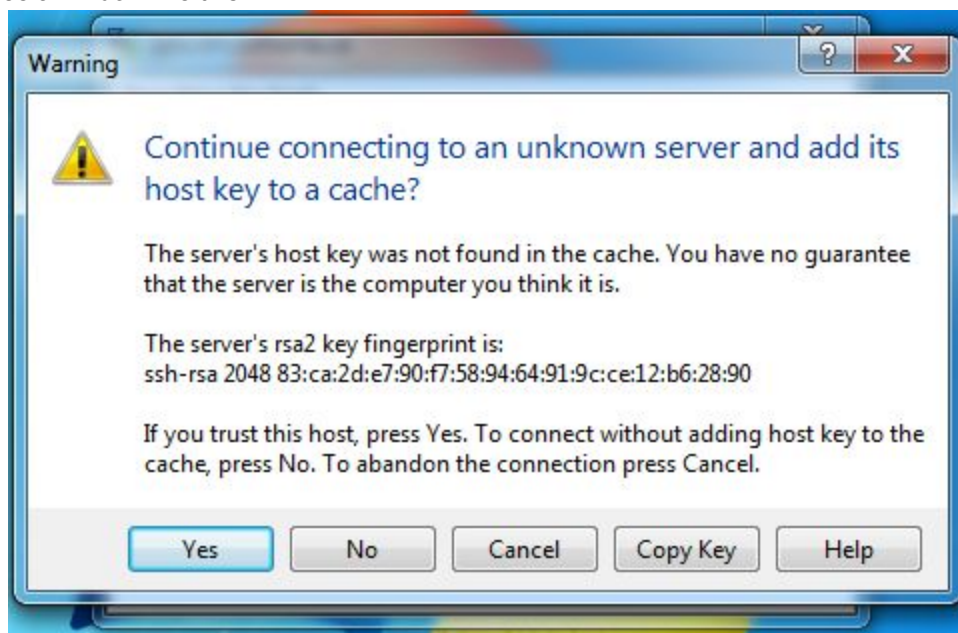


2. Enter the information required to connect to your SFTP server. For example, the following are the connection details for University of Alberta AFS

University of Alberta AFS:
File Protocol: SFTP
Host Name: login.srv.ualberta.ca
Port Number: 22
Username: UofA CCID

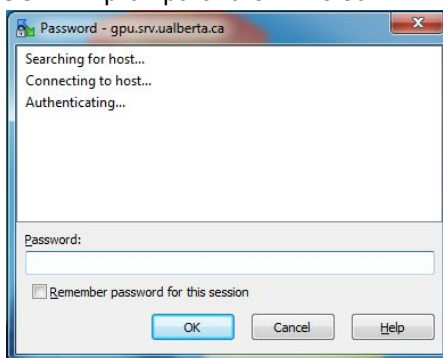
WARNING: DO NOT save your password on a tool or public access computer as anyone will be able to access your files from that machine.

- Once you've entered the connection information, pressing the Login button will start the connection. You may see a window like this:



This window is normal and selecting Yes will resume the connection.

- If a username and password were input at the connection details screen, WinSCP will connect using those credentials. If not, WinSCP will prompt for them like so:



- Once logged in you will see two panes. The left side is the local computer, and the right side is the University of Alberta AFS store. You can copy/paste your data into the right side of the window to upload it to AFS.
- Once you've uploaded your data, exit the application and you will be logged out of the external server.

Accessing your data using WinSCP

Public Access Computers

The public access computers within the nanoFAB's 10k space also have WinSCP installed on them. Locate the appropriate icon on the desktop and follow the directions above to retrieve your data.

DO NOT STORE DATA ON THESE COMPUTERS.

When finished processing be sure to upload the data back to AFS or an external server if needed. **Any data left on the systems will be removed without notice.**

Download WinSCP to your personal computer

WinSCP download and install instructions can be found here:

http://winscp.net/eng/docs/guide_install

Once installed, follow the "[Connecting to an external server](#)" steps above to use WinSCP to connect to either the University of Alberta AFS space or connect to a server external to the University of Alberta.

Additional Information

Additional information regarding the University of Alberta AFS space can be found on IST's website at: <https://ist.ualberta.ca/services/servers-storage/afs/>

The nanoFAB does not administer nor control access to the University of Alberta AFS space. Any questions or concerns regarding the use of this storage, beyond any connection issues within the nanoFAB, should be directed to IST.