For Windows Users

Tutorial Video

Use of Duo two-factor authentication is required to access HCC resources. Please see Setting up and using Duo.

This quick start will help you configure your personal computer to work with the HCC supercomputers. Here we use the two third party application PuTTY and WinSCP for demonstration.

PuTTY: https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html or putty.exe

WinSCP: http://winscp.net/eng/download.php

If you are on a Mac, please use the quickstart for For Mac/Linux Users.

Accessing to HCC Supercomputers

Here we use the HCC cluster Tusker for demonstration. To use the Crane or Sandhills clusters, replace tusker.unl.edu with crane.unl.edu or sandhills.unl.edu.

1. On the first screen, type tusker.unl.edu for Host Name, then click Open.

![PuTTY Configuration](image-url)
2. On the second screen, click on **Yes**.

![PuTTY Security Alert]

3. On the third screen, enter your HCC account **username**. If you do not have a HCC account, please contact an HCC specialist (**hcc-support@unl.edu**) or go to [http://hcc.unl.edu/newusers/](http://hcc.unl.edu/newusers/).

Replace `jingchao` with your username.

4. On the next screen, enter your HCC account **password**.
4. After you input the correct password, you will be asked to choose a Duo authentication method.

5. If you have a Yubikey set up by HCC, please hold the Yubikey for ~1 second. Then you will be brought to your home directory similar as below.

Note that PuTTY will not show the characters as you type for security reasons.
If you set up Duo via a smart phone, please type “1” in your terminal and press “Enter”. (Duo-Push is the most cost-effective way for Duo authentication, we recommend all user use this option if that is applicable.)

Check your smart phone for Duo login request. Press “Approve” if you can verify the request. If you find any Duo login request that is not initiated by yourself, deny it and report this incident immediately to hcc-support@unl.edu.

7. If you set up Duo via a smart phone, please type “1” in your terminal and press “Enter”. (Duo-Push is the most cost-effective way for Duo authentication, we recommend all user use this option if that is applicable.)

8. Check your smart phone for Duo login request. Press “Approve” if you can verify the request. If you find any Duo login request that is not initiated by yourself, deny it and report this incident immediately to hcc-support@unl.edu.
9. After you approve the Duo login request, you will be brought to your home directory similar as below.
File Transferring with HCC Supercomputers

Usually it is convenient to upload and download files between your personal computer and the HCC supercomputers through a Graphic User Interface (GUI). Download and install the third party application WinSCP to connect the file systems between your personal computer and the HCC supercomputers. Below is a step-by-step installation guide. Here we use the HCC cluster Tusker for demonstration. To use the Sandhills cluster, replace tusker.unl.edu for sandhills.unl.edu.

1. On the first screen, type tusker.unl.edu for Host name, enter your HCC account username and password for User name and Password. Then click on Login.
1. **On the second screen, click on Yes.**

2. **Choose option “1” and press “Enter”. Or simply press your Yubikey if you have one.**
On the third screen, click on **Remote**. Under Remote, choose **Go To** and **Open Directory/Bookmark**. Alternatively, you can use the keyboard shortcut “Ctrl + O”.

On the final screen, type `/work/<group name>/<username>` for Open directory. Use your HCC group name and username to replace `<group name>` and `<username>`. Then click on **OK**.
Now you can drop and drag the files between your personal computer and the HCC supercomputers.