Logging into Orion

**IMPORTANT**
You must be connected to the GSU network or connected to the VPN in order to access Orion. The VPN client can be downloaded by going to https://secureaccess.gsu.edu

- Windows
  - PuTTY
  - WinSCP
- Mac

Windows

**PuTTY**

Here are the steps for logging into GSU's Orion HPC resource using the SSH application called PuTTY. This type of connection is a command line interface.

1. Once you have downloaded the "putty.exe", open it and navigate on the left hierarchy to Connection -> SSH -> X11. Click the checkbox to Enable X11 forwarding. This will allow you to use the interactive sessions within Orion.

2. Navigate back to "Session" on the left hierarchy and type in the hostname "orion.gsu.edu" then click "Open".
3. After clicking Open a command prompt will appear asking for your login name. Type your CampusID then press Enter.

4. You will then be asked for your password. Type your CampusID's password and press Enter.

5. Once you enter your correct CampusID and Password you will be brought to the login screen:
WinSCP

Here are the steps for logging into GSU’s Orion HPC resource using the SFTP application called WinSCP. This type of connection is best for copying files to and from the server.

1. Once you have downloaded and installed WinSCP, open it and fill in the Host name, User name and click Login:

2. Enter your password and press "OK":

![WinSCP login screen with steps 1 and 2 highlighted]
3. Click “Yes” to trust the server connection:

4. You will now be logged into Orion and should see the default user interface like this:
5. There are two types of user interfaces for WinSCP (Commander and Explorer), you can choose this during installation or change it through preferences:

- Explorer User Interface (Click to Expand)

- Commander User Interface (Click to Expand)
Preferences

User Interface
- Commander
  - two panels (left for local directory, right for remote directory)
  - keyboard shortcuts like in Norton Commander (and other similar programs as Total Commander, Midnight Commander...)
  - drag & drop to/from both panels

- Explorer
  - only remote directory
  - keyboard shortcuts like in Windows Explorer
  - drag & drop

Theme
- Interface theme: Office XP

Changes will apply on the next start.
Follow the steps to logging into Orion using a Mac and its Terminal. If your Mac does not support/have X11, then download XQuartz.

1. Open Terminal (to find Terminal, type "Terminal" in Search)
2. In Terminal type the following command:

   ```bash
   ssh -X CampusID@orion.gsu.edu
   ```

3. Once you enter your correct CampusID and Password you will be brought to the login screen:

   Download video: mp4 format