

3D GPU Conversion Computer

System Overview

- 2x AMD EPYC 7402 24-Core CPU w 48 threads each
- 256 GB RAM
- 3x NVIDIA Tesla T4 GPU
- Windows Server 2022

Available 3D Software

- [DeScribe](#)
- [FreeCAD](#)
- [MeshLab](#)
- [MeshMixer](#)
- OpenSCAD
- [AutoDesk](#) AutoCAD (requires a login with AutoDesk)
- [AutoDesk](#) Inventor (requires a login with AutoDesk)

Login Info

General Info

Logins are restricted to users physically located at the Cornell NanoScale Facility or [connected via VPN](#).

All users (and staff) login with a Cornell NetID or a Cornell GuestID.

Your AFS home folder and the [lab transfer](#) shares can both be accessed. Depending on your Remote Desktop client, you may also redirect local drives to the remote computer. And cloud based file services such as Box.com, google drive, etc are all available via web browser. [WinSCP](#) is also available for remote transfer of files.

Files saved locally on the remote computer will be deleted when the computer reboots.

Idle sessions will auto disconnect after 6 hours and auto logoff after 2 days.

Logging in from CNF Thin (Linux)

1. Go to the *Applications* menu
2. Go to the *Utilities* submenu
3. Choose *Remote Desktop Viewer*
4. In the *Remote Desktop Viewer* window, click *Connect*
5. For *Protocol*, choose *RDP*
6. For the hostname, type in: *rs-cnf-3gwin.cnf.cornell.edu*
7. Under *RDP Options*, choose:
 - a. Check the *Scaling* button
 - b. For *Username*, type in your Cornell NetID or GuestID
 - c. For *Domain*, in all caps type in: *CORNELL*
 - d. For the *Width*, we recommend: *1280*
 - e. For the *Height*, we recommend: *1024*
8. Click *Connect*
9. For the Certificate, the *Subject* will be blank and the *Issuer* will be: *DC = edu, DC= cornell, CN= Cornell University Intermediate CA*.
 - a. Click *Connect*
10. Enter your NetID or GuestID password. We do NOT recommend clicking *Remember this credential*
11. Resize the window as appropriate.

Logging in from Windows or Mac

Windows

Note: The "new" Windows Remote Desktop Client will not work. You must [download](#) the separate Remote Desktop application from the Microsoft Store.

[Download](#) the "new" Remote Desktop client.

1. Open the Remote Desktop client (orange icon).
2. Click the "Add" button in the upper right.
3. Select "PCs" from the drop list
4. In the "Add a PC" window...
 - a. For *PC name*, type in: *rs-cnf-3gwin.cnf.cornell.edu*
 - b. For *User account*, type in: *CORNELL\<netid_or_guestid>* substituting your netid or guestid for <netid_or_guestid>
 - c. For *Display Name*, type in a name that will help you remember what this connection is
 - d. Click "Save"
5. Your new connection will now display under "Saved PCs"... click the connection you created to connect

Macintosh

The Remote Desktop client for Macintosh is available in the app store.

1. Open the Remote Desktop client (orange icon).
2. Click the "Add" button in the upper right.
3. Select "PCs" from the drop list
4. In the "Add a PC" window...
 - a. For *PC name*, type in: *rs-cnf-3gwin.cnf.cornell.edu*
 - b. For *User account*, type in *CORNELL\<netid_or_guestid>* substituting your netid or guestid for <netid_or_guestid>
 - c. For *Display Name*, type in a name that will help you remember what this connection is
 - d. Click "Save"
5. Your new connection will now display under "Saved PCs"... click the connection your created to connect

iOS/Android

Apps for both iOS and Android are available in the various app stores. After installing use the above instructions to connect and login.

You will connect to host: *rs-cnf-3gwin.cnf.cornell.edu* with your Cornell NetID or GuestID in domain (all caps) *CORNELL*.