

# Conversion Computers (Korat & Minx)

## Korat overview

Korat is an AMD EPYC 7H12 64-Core with 256GB of RAM. Korat is running 64-bit Redhat Enterprise 8.

## Minx overview

Minx is a dual sixteen-core AMD EPYC 7281 with 128GB of RAM. Minx is running 64-bit Redhat Enterprise 6.

## Remote access

### 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 home folder on the conversion computers is your AFS home folder -- allowing access to your data from any CNF computer with the AFS software installed.

### Logging in from CNF Thin

1. Go to the *Applications* menu
2. Choose *Korat* to login to Korat or *Minx* to login to Minx -- you will not be prompted for your password

### Logging in from Windows

**For use from the Virtual CAD Rm Service, you must use the Microsoft Remote Desktop client to connect to the Virtual CAD Rm**

1. Start *XMin*
2. On CNF CAD Room and Clean Room Windows machines, there are pre-configured "Korat" and "Minx" icons which will start up Putty with all the correct options. Double click one of these.
3. To connect, click the *Open* button.
4. Login with the short version of your netid or guestid. On 32-bit Windows machines, you will not be prompted for your netid/guestid password.

### Problems with Exceed

If, upon starting exceed, you receive an error message about a file, "mgc.fdb", being too large, just delete that file.

You may wish to leave the error message box open so that you can follow the Windows directory structure path down to the mgc.fdb file. However, you will not be able to actually delete the mgc.fdb file until you click "OK" in the error box.

### Problems with .Xauthority locking

See the [.Xauthority Locking Issues](#) webpage

### Local /scratch Disk Space

Both Korat and Minx include a large **shared** disk space located in the top level /scratch folder. Working directly out of /scratch will provide faster disk access than working out of your networked home folder.

This disk space is **shared** by all users and is **not backed up**.

Create a subfolder with your name under /scratch and work in that subfolder. When done, remember to copy any files you care to keep back to your networked AFS home folder. And then remove any remaining files in /scratch to free up disk space for other users.