CGD Information Systems Quick Sheet
We are located in ML-150 next to the cafeteria

Use CGD systems with a good neighbor policy:
Use the machines, but let others have a chance and don't take over the whole system

help@ucar.edu **I** help.ucar.edu **I** x8888 **I** www.cgd.ucar.edu/systems

Wireless Connections

There are two wireless networks available for use:

1. UCAR Visitor – Requires registration for 90 day access
2. Eduroam – If you already have an Eduroam certificate from your home institution, use this
   a. Full time staff can get setup with Eduroam on their devices

Printers

Printers are available for guest use, but you must be on the VPN to use them.

For more details on connecting and installing printers visit:
www.cgd.ucar.edu/systems/visitor-printing

VPN

How to access CGD systems from outside:
- VPN (Virtual Private Network) – GlobalProtect installed by CGD/IS
- SSH to perimeter systems, then to internal servers:
  - `ssh –X –Y moffatt.cgd.ucar.edu`
  - `ssh –X –Y goldhill.cgd.ucar.edu`

VNC

To run graphically intensive applications directly on a remote machine rather than trying to forward an Xsession back to your local host.
For more information see:
http://www.cgd.ucar.edu/systems/r/vnc/

Email

Your email is forwarded to your home institution or the email you provided us before starting.

Compute Environment

YOU DO NOT HAVE ROOT PRIVILEGES ON CGD SYSTEMS
The following compute servers are available for general access

Post Processing *Large memory, single threaded jobs*
- andre.cgd.ucar.edu
- burnt.cgd.ucar.edu
- thorodin.cgd.ucar.edu
- tungsten.cgd.ucar.edu

HPC Clusters *Model development and small domain jobs*

- hobart.cgd.ucar.edu
- izumi.unified.ucar.edu

*You must have a CGD account and password to access these systems. Speak to your admin or sponsor for an account request.

Storage

Each section has storage space under `/project/<section>` that is *not backed up.*
Example: `/project/tss`

You also have 11GB in your home directory that *is backed up.*

Finding People

https://calldb.cgd.ucar.edu/calldb/

Transferring Data

NCAR/CGD has its own Globus endpoint.
For more information see:
http://www.cgd.ucar.edu/systems/r/globus

Linux Software Environment

CGD uses modules to configure specific software/versions for use in the Linux environment.
`% module avail` - list all available configuration/software available
`% module load <module>` - load a specific module
`% module purge` – remove all modules from environment
(i.e., make a clean start)

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