Data and file transfer
Xanadu

1. Between directories on same storage system
2. Between Storage devices
3. Between cluster Storage and user machine
4. From external sources

Login Node

Data Storage Devices

/Data

xanadu-submit-ext
xanadu-submit-int

Queue/Partition

xeon/general
amd/general
himem
mcbstudent/pacbio

Login Node

cpu: 32 – 48
RAM: 128 – 512 GB

Data Storage Devices

/SHOME
/labs/
/projects

Between Storage devices

Between directories on same storage system

Between cluster Storage and user machine

External Source

From external sources
1. Between directories on same storage system

COMMANDS:
mv source destination
cp source destination
cp -a source destination
rsync options source destination

CPU: 32–48
RAM: 128–512 GB

Queue/Partition
-xeon/general
-amd/general
-himem
-mcbstudent/pacbio

Data Storage Devices

Data Storage Devices

Login Node

xanadu-submit-ext

xanadu-submit-int

User 1

User 2

User 3

User N
2. Between Storage devices

COMMANDS (Size dependent)
- `mv source destination`
- `cp source destination`
- `cp -a source destination`
- `rsync options source destination` (recommended for big files/directories)

- **Login Node**
  - `xanadu-submit-ext`
  - `xanadu-submit-int`

- **Data Storage Devices**
  - `/SHOME`
  - `/labs/`
  - `/projects`

- **Queue/Partition**
  - 14: `xeon/general`
  - 21: `amd/general`
  - 5: `himem`
  - 2-3: `mcbstudent/pacbio`

- CPU: 32 – 48
- RAM: 128 – 512 GB
1. [https://bioinformatics.uconn.edu/resources-and-events/tutorials-2/](https://bioinformatics.uconn.edu/resources-and-events/tutorials-2/) Data Transfer Section

2. Filezilla / cyberduck or similar applications for transfer of small file size files (upto 5GB)

3. Between cluster Storage and user machine

Queue/Partition

- xeon/general
- amd/general
- himem
- mcbstudent/pacbio

Login Node

- xanadu-submit-ext
- xanadu-submit-int

Data Storage Devices

- /SHOME
- /labs/
- /projects

Data Storage Devices

- cpu: 32 – 48
- RAM: 128 – 512 GB
**COMMANDS**

wget source  
ncftp option source
1. Transfer of any type should be done on a compute node by starting an interactive session or submitting a script. Use `hostname` command to verify that you are not on submit node.

2. For filezilla, cyberduck kind of application please use `transfer.cam.uchc.edu` as transfer node/host.

3. Before deleting file from source make sure that the transfer is complete and files are intact, use commands like `md5sum` to validate it.

4. In case of doubt please get in touch by emailing `cbcsupport@uconn.edu`
1. Data transfer initiated on any of the submit nodes (xanadu-submit-ext or xanadu-submit-int) will be killed without prior notice.

2. Any file deleted in cluster by user to most extent will be irretrievable. There is no recycle bin on cluster.