



# Be Boulder.



University of Colorado **Boulder**



# Typical Types of File

- The three types of storage spaces users are typically allocated on HPC infrastructure:
  - Home
  - Projects or Work
  - Scratch
- Each space is important for different reasons, and understanding the difference between each is imperative

# Home

- /home is intended for the use of the owner of this space only
- It is found at /home/\$USER or ~
- Usually this space is backed up
- Also generally allocated a small amount of space – on the order of 5 GB, varies
- Usually where you land when you login
- Test: login, type pwd

# Projects or Work

- Generally a space for mid-level size data
- Might have approximately 250-500 GB of space available
- Sometimes backed up
- For us: `/projects/$USER`
- Type: `cd /projects/$USER`

# Scratch

- Scratch space is provided on most HPC systems
- Usually a much large quota available
- Temporary space
- Usually not backed up
- Type: `cd /scratch/$USER`

# What Belongs Where?

- /home
  - Scripts
  - Code
  - Very small files
  - Inappropriate for sharing files with others
  - Inappropriate for job output
- /projects
  - Code/files/libraries relevant for any software you are installing (if you want to share files with others)
  - Mid-level size input files
  - Appropriate for sharing files with others
  - Inappropriate for job output
- /scratch
  - Output from running jobs
  - Large files
  - Appropriate for sharing files with others
  - THIS IS NOT APPROPRIATE FOR LONG TERM STORAGE