

# The Bridges File System

- As described in the Bridges user guide under “File Spaces”, Bridges allows you to store data in
  - your home directory (\$HOME) - shared across nodes, backed up, smaller quota (10 GB)
  - a “scratch” directory (\$SCRATCH) - shared across nodes, not backed up, faster than \$HOME, larger quota shared by class
  - the worker node for a job (\$LOCAL) - only accessible by local node, not backed up and immediately deleted after job, faster than shared disk space, many terabytes of available space
  - the local memory for a job (\$RAMDISK) - only accessible by local node, not backed up and immediately deleted after job, fastest storage
  - \$(VARIABLE\_NAME) is a variable that contains the actual location. The variable is available while logged onto Bridges
- Try `cd \$SCRATCH`, `pwd`, `cd \$HOME`, and `pwd`

# Installing OpenMM

- The easiest way to install OpenMM is through the conda package manager
- Conda is available on bridges, but needs to be loaded by entering `module load anaconda`
- Then you need to create an conda environment that you can write to by entering `conda create --name openmm`

```
br005:[~]: conda create --name openmm
Collecting package metadata (current_repodata.json): done
Solving environment: done

==> WARNING: A newer version of conda exists. <==
  current version: 4.7.12
  latest version: 4.8.1

Please update conda by running

  $ conda update -n base -c defaults conda

## Package Plan ##

  environment location: /home/dminh/.conda/envs/openmm

Proceed ([y]/n)? y

Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#     $ conda activate openmm
#
# To deactivate an active environment, use
#
#     $ conda deactivate
```