**Illinois Campus Cluster Program**

Basics of Access and Usage

Live training session, February 20, 2024

**Commands Sheet**

* **cat:** outputs the content of a text file

cat <FileName>

* **cd:** changes directory

cd <PathToTargetDirectory>

* **cp:** copies a file from one location to the other

cp <PathToFile> <PathToFileCopy>

* **ls:** lists files and folders in the current directory
* **pwd:** outputs the path to the current directory
* **mkdir:** creates a new directory

mkdir <NameOfNewDirectory>

* **module:** utility to use modules in the cluster environment
  + module load <ModuleName>
    - Loads a module
  + module unload <ModuleName>
    - Unloads a module
  + module list
    - Lists loaded modules
  + module avail
    - Lists all available modules
  + module purge
    - Unloads all loaded modules
* **mv:** moves a file from one place to another

mv <PathToFile> <PathToNewFileLocation>

* **quota:** outputs information about your account’s storage
* **rm:** removes a file

rm <PathToFile>

* **sbatch:** sends a job to the batch scheduler

sbatch <PathToJobScript>

* **scancel:** cancels a job that has been sent to the scheduler

scancel <JobID>

* **scp:** copies a file from the remote server to your local machine

scp <YourUserName>@cc-xfer.campuscluster.illinois.edu:<PathToFile> <FileDestination>

* **ssh:** connects to a remote server

Ssh <YourUserName>@cc-login.campuscluster.illinois.edu

* **squeue:** outputs information about the batch scheduler
  + squeue -u $USER
    - Information about each one of your jobs
  + squeue -p <PartitionName>
    - Information about jobs in a certain partition
  + squeue -j <JobID>
    - Information about a particular job