CSC Quick Reference

Unix commands

- **ls** - list directory contents
- **cp** - copy a file
- **mv** - move or rename a file
- **rm** - delete a file
- **cd** - change the current directory
- **pwd** - print name of the current directory
- **mkdir** - create a directory
- **rmdir** - delete a directory
- **chmod** - change file rights
  - owner/group/everybody
  - **r**ead(4)/**w**rite(2)/e**x**ecute(1)
- **chgrp** - change file/folder owner
- **less** - see text file (exit with **q**)
- **cat** - see file content
- **head** - list ten first lines of the file
- **tail -100** - show the last 100 lines
- **grep** - find rows containing a string
- **eog** - open an image-file
- **evince** - open a pdf-document
- **echo** - print text
- **exit** - quit the session
- **history** - list all commands given previously
- **ls -la > file** - output of a command to a file
- **ls -la >> file** – append output of a command to a file
- **ls -la | grep "nobel"** - Chaining (piping) multiple commands
- **zip** - compress
- **unzip** - uncompress

File transfer

- **scp** - copy a file from one computer to another
- **wget, curl** – get a file from HTTP /FTP
- **rsync** – get/put a file from/to rsync server
- **du -hs *** - disk space used by directories (see also **csc-workspaces**)
- **allas-conf** - initialize access to Allas
- **a-put** file - copies file or folder to Allas
- **a-get** object - copy an object from Allas to current directory
- **a-list** - shows content of your Allas archive
- **a-publish** - makes file available via www

CSC modules

- **module load** - initialize the environment of an application
- **module spider** - list available modules
- **module list** - list loaded applications
- **module purge** - remove application environments

CSC batch jobs

- **sbatch** - submit a job
- **squeue** - see the job status in the queue
- **scancel** - cancel a job
- **seff** - info about completed jobs
- **sacct** - info about completed jobs

CSC servers

- **puhti.csc.fi**
- **mahti.csc.fi**

Help + CSC specific

- ServiceDesk: servicedesk@csc.fi
- Accounts, projects, forgotten password: https://my.csc.fi on commandline also **csc-projects** and **csc-workspaces**
- **csc-env** - check /reset Puhti/Mahti environment
- What is available: https://research.csc.fi/
- How to use them: https://docs.csc.fi/
- https://docs.csc.fi/support/FAQ
- https://docs.csc.fi/support/tutorials/