

CSC Quick Reference

Unix commands

- ls - list directory
- 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
 - read(4)/write(2)/execute(1)
- less – see text file (exit with q)
- exit - quit the session
- history - list all commands given previously
- head - list ten first lines of the file
- tail -100 - show the last 100 lines
- tail -f - keeps listing the end of file. Handy for following an output file when lines are appended to it.
- grep – find rows containing a string
- 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 a file from rsync server
- du -hs * (disk space used by directories)
- 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 iRODS archive)

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

- taito.csc.fi
- taito-shell.csc.fi
- puhti.csc.fi

Help

- ServiceDesk: servicedesk@csc.fi
- Accounts, projects, forgotten password: <https://my.csc.fi>
- Taito documentation: <https://research.csc.fi/>
- Puhti documentation: <https://docs.csc.fi/>
- GIS example code: <https://github.com/csc-training/geocomputing>