Guide to Copying Between Servers

(I have a mac! Don’t know if that makes a difference or not)

For safe copying between servers use the scp command instead of the regular cp command that can be used for copying from one directory to another within a server.

Berzelius: berzelius.nsc.liu.se

Lunarc: aurora.lunarc.lu.se

**From external server to another external server (ex Lunarc to Berzelius)**

Log into the server where you want the file and use the pattern: scp -r filename user@externalServer:exactPathToFileYouWantToCopy exactPathToWhereInBerzelius . Alternatively, go to directory where you want the file in the server (Berzelius in this example) and use the “.” command instead of writing the full path. The dot basically means “here”.

**From external server to local server (ex from Berzelius to my computer)**

Start in your local terminal. Go to the directory you want the file to be copied into. Use command “scp filename user@externalServer:pathToFile/filename . “.

(~/Downloads for berzelius)

**From local server to external server (ex my computer to Berzelius)**

Start in your local terminal. Go to directory where the file that you want to copy is. Write user@externalServer:pathToWhereYouWantFile/filename

Exact path is important. ~ before path means that you start in “home”, your own home directory that is not the same as the directory where your project directory is necessarily? Sometimes you need to put / before the name of the path.

Bonus:

When copying new things into a directory you might have to give permission to other members of the lab to access the files, use chmod 770 command to give full access to all lab members.