

The essence of today's course is to help users to understand the difference and move from local machines (desktop, laptop, workstation) to one of the supercomuters of SCC (UC2=bwUniCluster or HoreKa).

You need separately a program to copy files from/to the supercomputer. For this you may use WinSCP (windows), MobaXterm (windows), filezilla (linux) etc. You also need a tool to type the commands (called terminal) – this can be e.g. PuTTY, or a local linux partition on your local computer. There are many different ways of doing those tasks, we cannot list all of them here.

Local computer

Supercomputer

- 1. Install openFOAM
- 1. "module load …" + foamInit

2. Use local HDD

2. Use workspaces

3. Start directly: pimpleFOAM

- 3A. decomposePar (for parallel jobs)
- 3B. Edit a job-file and submit a job to one of the queues

4. View in ParaView

- 4A. reconstructPar (optional but recommended)
 - 4B. Copy locally and view in ParaView