Interactive Research Linux Service

The servers

All these servers are Intel Xeon-based with Ubuntu LTS.

If you are a taught student you will only have access to the teaching servers.

Everyone else automatically has access to the research machines. Please reserve the teaching machines for undergraduates and teaching use only.

The machines have the following resources:

- research0 has 56 cores and 512 GB of memory. It runs Ubuntu 18.04.
- research1 has 56 cores and 512 GB of memory. It runs Ubuntu 20.04, with easybuild modules to align more closely with Viking.
- research2 has 56 cores and 512 GB of memory. It runs Ubuntu 18.04.
- research3 has 56 cores and 512 GB of memory. It runs Ubuntu 18.04, with easybuild modules to align more closely with Viking.
- teaching0 has 32 cores and 256 GB of memory. It runs Ubuntu 18.04, with easybuild modules to align more closely with Viking.
- teaching1 has 48 cores and 128 GB of memory. It runs Ubuntu 20.04, with easybuild modules to align more closely with Viking.

Acceptable Use Policy

We try to avoid imposing restrictions so that we can make the most of the servers. However, to ensure fairness, we have some ground rules:

- Users must not deliberately impact others’ work.
- Only use one server at a time.
- Do not exceed 50% of the cores or memory.
- Monitor the usage of your own and others using top or similar. This can also kill processes - see help guide.
- Do not run more copies, or for more time than required for your work.

If your job will run for more than a few days it may be faster to run it on our HPC: Viking.

IT Services will restrict or terminate processes and user accounts if they are having an unreasonable impact on the service or other users.