

# 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.

Using the service