Environmental modules are used on the LRZ HPC systems to manage the environment variables in shells and scripting languages. They also permit to provide multiple versions of packages.

With the installation of SuperMUC-NG, LRZ gradually changes its software deployment process from manually built packages to automated builds with Spack.

- See: Environment Modules

### Compilers

Intel, gnu and PGI compilers are available.

- see: Compilers and Languages for HPC
- see: Most important Intel Compiler Options and Directives

### Libraries

- see: Numerical Libraries for HPC Applications
- see: IO Libraries and Tools for HPC Systems
- Execute: module avail

### Parallel Execution

- see: Parallel Execution Environments for HPC Systems

### Software

- see: HPC Software and Programming Support