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<th>Access and Overview of HPC Systems</th>
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### SuperMUC and SuperMUC-NG

#### SuperMUC Phase 1
- **END OF LIFE**

#### Phase 2
- **login:** hw.supermuc.lrz.de
- **queue:** micro, general, test, big
- **File System**
  - $HOME: UP
  - $WORK: UP
  - $SCRATCH: UP
- **detailed node status:** Phase2

#### SuperMUC-NG:
- **HOME, WORK, SCRATCH**
- **SLURM**
  - **login:** skx.supermuc.lrz.de
- **FRIENDLY USERS**

### Linux Cluster

#### CoolMUC-2
- **login:** lxlogin5-7.lrz.de
- **partitions:** mpp2_batch, mpp2_inter
- **queue:** serial
- **Teramem**
  - **queue:** teramem_inter
- **SLURM**
  - **UP**

#### CoolMUC-3
- **login:** lxlogin8.lrz.de
- **partitions:** mpp3_batch, mpp3_inter
- **SLURM**
  - **UP**

#### IvyMUC
- **login:** lxlogin10.lrz.de
- **partitions:** ivymuc
- **SLURM**
  - **UP**

### Cloud and other systems

#### Open Nebula
- **UP**

#### GPU Cloud
- **UP**

#### DGX-1
- **UP**

#### DGX-1v
- **UP**

#### RStudio Server
- **UP**

### Details:
- **SuperMUC-NG**
- **Software for HPC**

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**Message of the Day**

- **Linux Cluster**
- **Software for HPC**
SuperMUC and SuperMUC-NG

SuperMUC-NG Status
See https://www.lrz.de/aktuell/ali00757.html for details.

SuperMUC-NG Friendly Users
Your old UserIDs are not valid for SuperMUC-NG!
You will have only ONE single UserID for all the projects you are working with. Accordingly, you have only a single HOME directory. Above that, you will also have only a single SCRATCH directory. As usual, after you have logged into SuperMUC-NG the paths to your HOME and SCRATCH directories are set in the environment variables $HOME and $SCRATCH. Your accessible WORK directories are listed in $WORK_LIST.

Note that WORK or SCRATCH may not be accessible from the start. The same applies to SLURM and available queues.

For more details see: https://doku.lrz.de/display/PUBLIC/Operational+Concept

We propose that you start by migrating your HOME directory and compile your code.

For data migration between SuperMUC and SuperMUC-NG see: https://doku.lrz.de/display/PUBLIC/Data+Migration+from+SuperMUC+to+SuperMUC-NG

The documentation for SuperMUC-NG can be accessed via: https://doku.lrz.de/display/PUBLIC/SuperMUC-NG

Report immediate problems via the servicedesk: https://doku.lrz.de/display/PUBLIC/Servicedesk+for+SuperMUC-NG
and don’t forget to use the ‘SuperMUC-NG’ keyword in the short description.

Please contact your mentor to discuss further questions and the progress of your project.

More Links
• Access and Overview of HPC Systems
• Cluster Node Housing
• Courses, Training and Events for HPC
• Grid Computing
• HPC Application Labs
• LRZ Compute Cloud
• Linux Cluster
• Public Relations for HPC
• RStudio Server (LRZ Service)
• SLURM Workload Manager
• Software for HPC
• SuperMUC-NG
• Support for HPC and Big Data
• User Guides for HPC
• Consulting for HPC and BigData Services at LRZ
• Tuning and Optimization for HPC
• SuperMUC NG SLURM Status

Services

SuperMUC-NG
Linux Cluster
Software for HPC
RStudio Server (LRZ Service)