



# Quick Reference Card for TU Dortmund University

Guidelines for the Application, Approval and Allocation  
of HPC-Resources at TU Dortmund University

[www.tu-dortmund.de](http://www.tu-dortmund.de)

document created by <https://hpc.dh.nrw>



Project Preparation	Every member of TU Dortmund and FH Dortmund can request access to the hpc resources via the <b>ServicePortal</b> . Students will need a <b>PI</b> to authorize the LiDO3 access. Users can request access for up to 5 years.
Proposal Submission	This phase does not apply for this HPC.NRW compute center.
Formal Evaluation	The HPC support team will check formal aspects of your application.
Technical Review	This phase does not apply for this HPC.NRW compute center.
Scientific Review	This phase does not apply for this HPC.NRW compute center.
Resource Allocation and Monitoring	<b>Fair-share allocation:</b> Jobs are assigned a priority depending only on the recently used compute resources ( <b>Core-h</b> ). Next to the default <i>normal</i> queue, there are group exclusive queues. The hardware resources these queues provide are solely funded by the research groups themselves and are only limited publicly accessible.

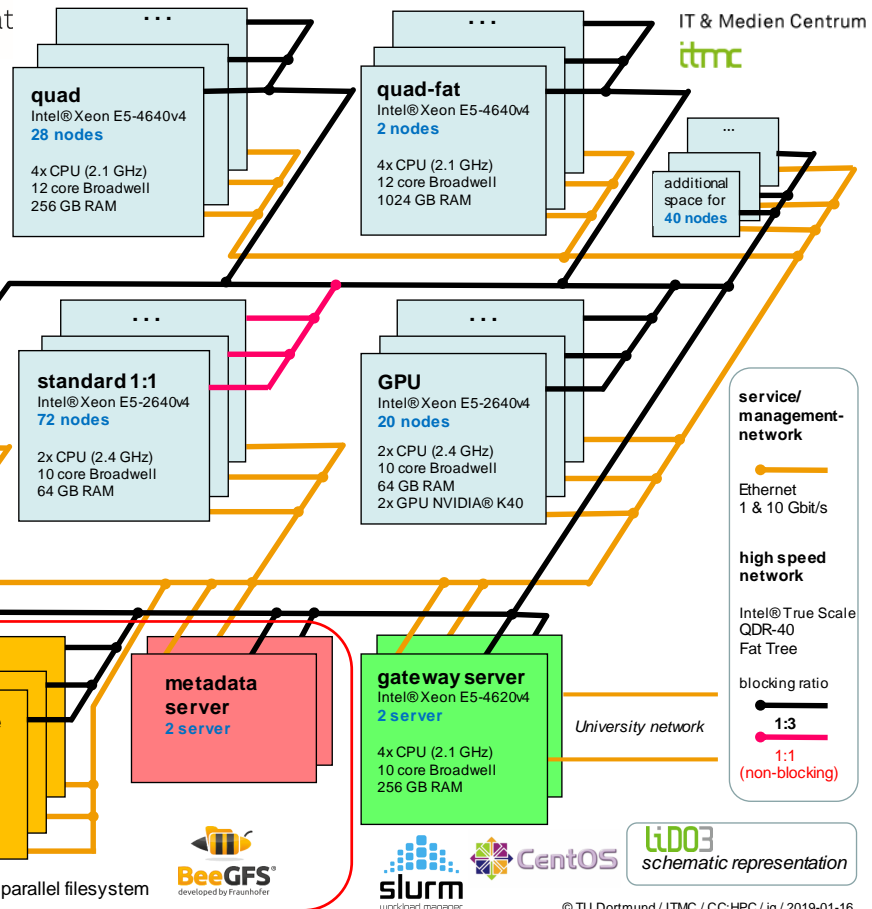


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## Glossary of Terms and Definitions

**Core-h** A core-hour (Core-h) is a unit used for the accounting of compute cluster resources. One core-hour equals one CPU core being used for the duration of one hour of execution time. The latter is always measured as the elapsed wall clock time from the job start to the job finish and not as the actual CPU time. For exclusively scheduled jobs (i.e., jobs using the complete node), the used core-hours usage are always equal to the total number of CPU cores on the allocated nodes times the execution time, regardless of the actual number of node slots allocated to the job.

**PI** The principal investigator (PI) is responsible for all legal and scientific aspects of a project as well as project application and the project execution. He/She has to be a professor or junior professor at a university. Exceptions to this rule are possible but have to be justified in the project proposal. He/She has to make sure that citizens of countries that are subject to the export control policy of the German Federal Government have an additional authorization from the German Federal Office for Economic Affairs and Export Control (BAFA) before they are allowed to use the compute resources of the project.

**ServicePortal** Service Portal der TU Dortmund ([service.tu-dortmund.de](http://service.tu-dortmund.de)).