



# Quick Reference Card for University of Wuppertal

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

<https://pleiades.uni-wuppertal.de/>

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

Access Conditions	The HPC system PLEIADES is mostly reserved for participating research groups. If you are a member of one of the research groups, you can request access at any time. However, a fraction of the shares is intended for any researcher affiliated with the University of Wuppertal and even other public research facilities in Germany.
Project Preparation	Please provide an estimate of required resources, e.g. Core-h, memory, GPUs etc., as well as a project description.
Proposal Submission	Please contact <a href="mailto:pleiades@uni-wuppertal.de">pleiades@uni-wuppertal.de</a> and include your resource requirements and project description.
Formal Evaluation	The HPC support team will check formal aspects of your application. If questions or problems arise, you will be contacted.
Technical Review	The HPC support team will check technical aspects (required resources, software, etc.) of your application.
Scientific Review	The HPC support team and a participating research group of a related field (if applicable) will evaluate the feasibility of your application in a simplified review process.
Resource Allocation and Monitoring	<b>Fair-share allocation:</b> Jobs are assigned a priority depending on the recently used compute resources (Core-h). In some situations, e.g. for GPU resources, a higher priority is given to certain research groups.



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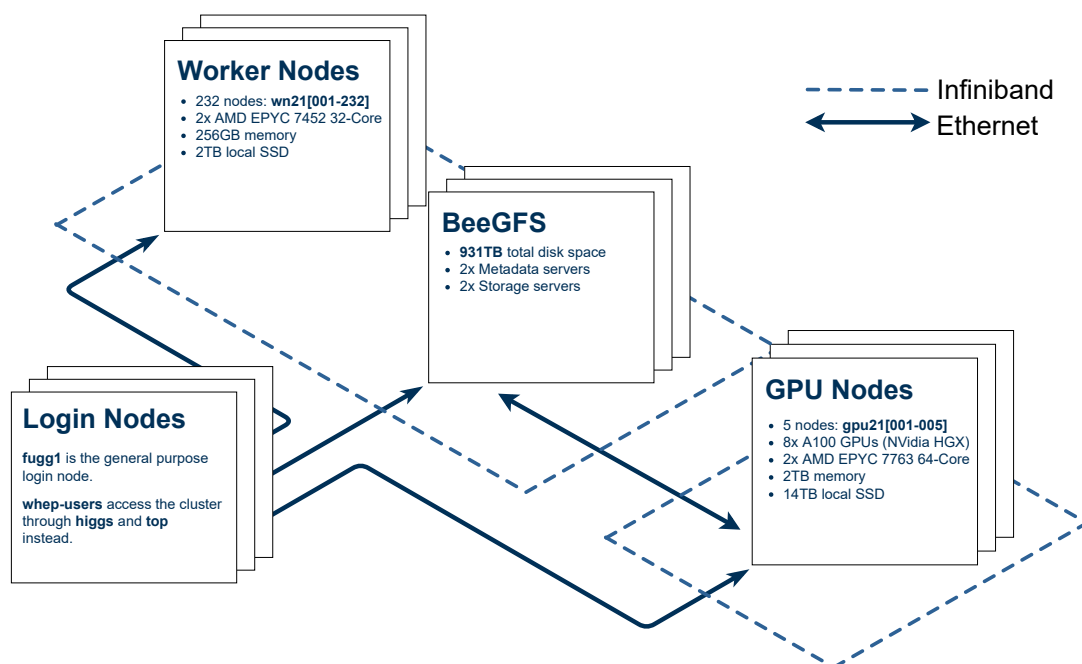


Figure 1: Schematic network layout and available hardware of PLEIADES.

## 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.

**HPC** High-performance computing.