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The Department of Computer Science hosts a computing cluster for scientific workloads. Please also consider the HPC Services offered by our ZID as they may suit your requirements better.

#### **Hardware**

The System runs in 3W06 in the ICT Building. It consists of 8 Nodes with the following specification

Motherboard: ASRock Fatallty X399 Professional Gaming

CPU: AMD Ryzen Threadripper 2950X WOF

Memory: G.Skill D4128GB 2400-15 Flare X K8

SSD: WD Black SN750 500 GB, NVMe 1.3 , Read: 3470 MB/s, Write: 2600 MB/s

Seven of the nodes additionally offer

GPU: 4x ZOTAC GeForce RTX 2070 Blower, 8 GB (GDDR6, 256 Bit)

The head node (the one without GPUs) has 2TB additional storage capacity that is reachable from all nodes.

### **Network**

The nodes are interconnected through a Gigabit Ethernet Switch. The upstream connection of the head node is Gigabit Ethernet. The nodes have 10 Gigabit Connections for MPI.

## **System Configuration**

All nodes run the latest Version of Ubuntu Server LTS which is 18.04.2 (Bionic Beaver).

### **Authorization**

tbd

## **Usage**

After registration you can log into the system with your IFI credentials using ssh on ifi-lahar.uibk.ac.at. The basic commands can be found in the SLURM User Guide

# Contact

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Contact ifi-sysadmin@informatik.uibk.ac.at if you have problem or further questions. For administration purposes there is also the internal documentation.

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