

## Overview of our systems

This page is supposed to give a short overview on the available systems from a hardware point of view.

### Rack plan

This is a sketch of the available hardware.

### Network overview

#### SDV rack

Cluster [16 nodes]: `deeper-sdv[01-16]`

- 2 Intel Xeon 'Haswell' E5-v2680 v3 (2.5 GHz)
- 128 GB RAM
- 1 NVMe with 400 GB per node
- network: 100 Gb/s Extoll tourmalet

GPU nodes for ML [3 nodes]: `ml-gpu[01-03]`

- 2 x Intel Xeon 'Skylake' Silver 4112 (2.6 GHz)
- 192 GB RAM
- 4 x Nvidia Tesla V100 GPU (PCIe Gen3), 16 GB HBM2
- network: 40GbE connection
- NAM:
  - size: 2 GB
  - network: Extoll
  - details: [?https://www.deep-projects.eu/hardware/memory-hierarchies/49-nam](https://www.deep-projects.eu/hardware/memory-hierarchies/49-nam)

#### DAM rack

Prototype DAM [4 nodes]: `protodam[01-04]`

- 2 x Intel Xeon 'Skylake' (26 cores per socket)
- 192 GB RAM

### Further information

- [Information about the batchsystem](#)
- [Filesystems](#)
- [Information on available software and tools](#)
- [Use the DEEP-EST Cluster Module](#)
- [Use the SDV Cluster](#)
- [Use the SDV KNLs](#)