

## Table of Contents

Detected HW and node issues	2
CM nodes	2
DAM nodes	2
ESB nodes	2
SDV nodes	2
Software issues	2
SLURM jobs	2
GPU direct usage with IB on ESB	2
GPU direct usage with Extoll on DAM	2

This page is intended to give a short overview on known issues and to provide potential solutions and workarounds to the issues seen.

*Last update: 2020-12-03*

To stay informed, please refer to the [News page](#). Also, please pay attention to the information contained in the "Message of the day" displayed when logging onto the system.

## Detected HW and node issues

### CM nodes

- dp-cn25: node shows Unknown SPS FW Health ([#2495](#))

### DAM nodes

- dp-dam03: node currently reserved for special use case ([#2242](#))

### ESB nodes

- dp-esb11: wrong GPU Link Speed detected ([#2358](#))
- dp-esb24: CentOS8 Testbed ([#2396](#))
- dp-esb52: energy meter reading issues ([#2433](#))
- dp-esb73: GPU ECC error ([#2523](#))

### SDV nodes

- deeper-sdv02: does not start anymore
- deeper-sdv11: potentially broken DIMM prevents from booting
- nfgw[01,02]: node reachable via network, but marked as down in SLURM
- kn101: NVMe issues ([#2011](#))

## Software issues

### SLURM jobs

- due to introduction of accounting with the start of the early access program there is some re-configuration of user accounts needed within SLURM to assign the correct QOS levels and priorities for the jobs
- this might lead to (temporary) failing job starts for certain users
- if you cannot start jobs via SLURM, please write an email to the support list: `sup(at)deep-est.eu`

### GPU direct usage with IB on ESB

- currently only available via Developer stage, for testing load:

```
module --force purge
module use $OTHERSTAGES
module load Stages/Devel-2019a
module load GCC/8.3.0 or module load Intel
module load ParaStationMPI
```

- use `PSP_CUDA=1` and `PSP_UCP=1`

### GPU direct usage with Extoll on DAM

- new Extoll driver for GPU direct over Extoll currently being tested on the DAM nodes
- only available via Developer stage, for testing load:

```
module --force purge
module use $OTHERSTAGES
module load Stages/Devel-2019a
```

```
module load GCC/8.3.0 or module load Intel  
module load ParaStationMPI
```

- expect performance and stability issues