

## **Wikiprint Book**

**Title: Public/User\_Guide/PaS**

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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: 2021-02-18*

**System maintenance on Wednesday, 2021-02-24 and Thursday, 2021-02-25, limited user access !**

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: FW issues ([#2495](#))

### DAM nodes

- dp-dam[01-08]: limited access due to Fabri3 setup
- dp-dam02: node currently reserved for special use case ([#2554](#))
- dp-dam03: node currently reserved for special use case ([#2242](#))

### ESB nodes

- **dp-esb[01-25]: currently not available due to Fabri3 installation**
- dp-esb75: node currently reserved for special use case ([#2568](#))

### SDV nodes

- several nodes have been taken offline:
  - deeper-sdv[11-16]
  - deeper storage system: (deeper-fs[01-03], deeper-raids)
- deeper-sdv[01-10]: currently not available: configuration change needed (low priority)
- knl01: 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`

### ParaStationMPI in Devel-2020 stage broken

- ParaStationMPI module of the Devel-2020 stage cannot be loaded

### GPU direct usage with IB on ESB

- 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 still shows low performance on the DAM nodes
- 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