

## **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: 2022-08-11*

**Please, use the support mailing list `sup(at)deep-sea-project.eu` to report any issues**

**GPFS issues, no 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: SEL ProblemsFW issues ([#2769](#))
- dp-cn27: MCE Errors found ([#2919](#))

### DAM nodes

- dp-dam02: reserved for FPGA tests
- dp-dam03: PCI link speed degraded ([#2931](#))
- dp-dam10: PMEM module issue ([#2875](#))
- dp-dam16: testbed

### ESB nodes

- dp-esb[07]: used for Rocky 8.6 tests
- dp-esb[11]: memory issues

### SDV nodes

- deeper-sdv cluster nodes (Haswell) have been taken offline: deeper-sdv[01-16]
  - not included in SLURM anymore
  - deeper-sdv[09-10] used for testing (please contact [j.kreutz\(at\)fz-juelich.de](mailto:j.kreutz(at)fz-juelich.de) if you would like to get access)
- knl01: serves as golden client for imaging only
- dp-sdv-esb[01,02]: Slurm update required

## Software issues

### nvidia driver mismatch

- loading CUDA module and trying to run `nvidia-smi` (or any application trying to use the GPU) leads to

```
Failed to initialize NVML: Driver/library version mismatch
```

- workaround is to unload the driver module: `ml -nvidia-driver/.default`
- for further information, please also see [?here](#)

### nvidia profiling tools

- to launch the tools on a compute node using X-Forwarding another SSH session is needed:

```
srunk --forward-x -p dp-esb -N 1 -n 1 --pty /bin/bash -i
ssh -X -J <your account>@deep.zam.kfa-juelich.de <your account>@<the node you received>
```

- you will still see a warning "OpenGL Version check failed. Falling back to Mesa software rendering.", but the profiling tool (e.g. `nsight-sys`) should start up

## Easybuild

- Moving the new Easybuild stage 2022 (in February) might cause unexpected behavior and problems with the installed software components: