# Wikiprint Book

**Title: Public/User_Guide/PaS**

**Subject: DEEP - Public/User_Guide/PaS**

**Version: 70**

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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: 2022-08-12*

Thursday night, at around 23:50, a lightning hit some of the campus infrastructure services of the Forschungszentrum. That caused a power outage that affected the network and cooling parts of the facility. We are targeting to bring the DEEP-EST system back online towards the end of the week. We apologize for the inconvenience.

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

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 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 unload the driver module: `ml -nvidia-driver/.default`
- for furhter information, please also see  ?here

### nvidia profiling tools

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

```
srun --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 profling 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: