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Latest news on the DEEP-EST prototype system

This is a summary of the latest news concerning the system. For a list of known problems related to the system, please refer to [this page](#).

System hardware

CM nodes

ESB nodes

- currently only 1 rack installed in the system (25 nodes).
- installation of the 2 remaining racks is scheduled for mid of May

DAM nodes

- all nodes still run in app-direct mode for the DCPMM (see [#2366](#))

Network Federation Gateways

- two gateway nodes for IB ↔ Extoll bridging between CM/ESB and DAM are available for the users
- for an example on how to use the gateway nodes and for further information, please refer to the [batchsystem](#) wiki page.

Global resources

File Systems

- The old shared file system `/sdv-work` (from previous DEEP projects) currently does not work. Metadata are still available (files and directories can be seen), but data is not accessible. Please contact deepest-sup@? if you need to recover data from the file system.
- Still ongoing investigations on the performance of the shared file system `/work` (BeeGFS).
- It is now possible to access the `$ARCHIVE` file system from the `deepv` login node under `/arch`. For more information about `$ARCHIVE`, please refer to the [Filesystems page](#).

System software

SW updates

- new SLURM version 19.5.5 with workflow support has been rolled out
 - information on how to use workflows have been added [here](#).
 - please, report any problems found
- new ParaStationMPI version (5.4.5-2) is installed and used as default now
 - Pending: Install software packages that depend on `psmpi` also with the new version

User management

QoS

- the quality of service groups (QoS) within Slurm (determining the jobs priority) are currently being re-organized with regards to the accounting introduced with the EAP
- please, report any issues in starting jobs or in specifying an account for your jobs using the `-A` option

BeeGFS Quotas

- it's currently under consideration to implement a quota for the BeeGFS file system (mounted to `/work`)