

## **Wikiprint Book**

**Title:** Latest news on the DEEP-EST prototype system

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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@?](mailto: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
- modules successfully tested in the Devel stage will be included in the production (default) stage
  - currently, the latest ParaStationMPI (including pscom) can be tested in the Devel stage

### 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`)