Wikiprint Book

Title: Latest news on the DEEP-EST prototype system

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System hardware

CM nodes

ESB nodes

- currently only 1 rack installed in the system (25 nodes).

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

System software

SW updates

- upcoming SLURM update to version 19.5.5
  - will require a maintenance for the full system
  - no date fixed yet
- Easybuild has been updated to version 4.1.2
- modules successfully tested in the Devel stage will be included in the production (default) stage
- ParaStation Health Checker now includes a check for GPU presence on the DAM and ESB nodes

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)