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.

Last update: 2020-09-01

System hardware

CM nodes

ESB nodes

- remaining two ESB racks have been installed: now 75 ESB nodes present
- currently connected via IB EDR, to be changed to Extoll network later this year

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) has been rebuild after disk failures and is back online
- Shared file system `/work` (BeeGFS) is now mounted via NFS
- 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 19.05.6 with workflow support has been rolled out
  - information on how to use workflows have been added here.
  - please, report any problems found
- new 2020a Easybuild stage is currently being set up
- new ParaStationMPI version (5.4.6-1) has been installed and is used as default now

User management

BeeGFS Quotas

- a quota for the BeeGFS file system (mounted to /work) is being implemented