



HEPIX SPRING 2015 WORKSHOP

Contribution ID: 13

Type: **not specified**

## CSC - It Center for Science

*Monday, March 23, 2015 9:15 AM (15 minutes)*

- CSC General HPC updates
- New Haswell Hardware for supercluster and supercomputer
- Slurm/Lustre
- taito-shell.csc.fi - a slurm/sshd/iptables-based interactive shell load balancer. Replaced large memory (1TB) interactive nodes.
- DDN SFA12k
- Using ELK stack (Elasticsearch Logstash Kibana)
- sort through dCache logs
- Search through auditd logs - anybody used shred? root logins from bad IPs?
- Updates at T2\_FI\_HIP - SE and CE for Helsinki Institute of Physics
- dCache to 2.10 / postgresql to 9.3 update
- To virtualize dCache door/admin and other nodes (bdii, xrootd AAA)
- Will use Ansible for configuration
- HP 5x DL360 G7 + 26 x D2600 has been very stable. (7 Segate 2TB disks replaced over 3 years, two P411 controllers)
- Next hardware renewal hopefully during 2015, probably HP SL4540
- Decommission of jade.hip.fi - resources moved into one of CSC's openstack
- Converted unused IB port in dCache pool servers to 10GbE with QSFP-to-SFP+ adapters.

### Summary

- CSC Updates
- Using ELK stack
- T2\_FI\_HIP updates

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**Session Classification:** Site Reports

**Track Classification:** Site reports