

NDGF All Hands 2019-2

HPC2N Site Report

Luckily, no big incident to report!

Past

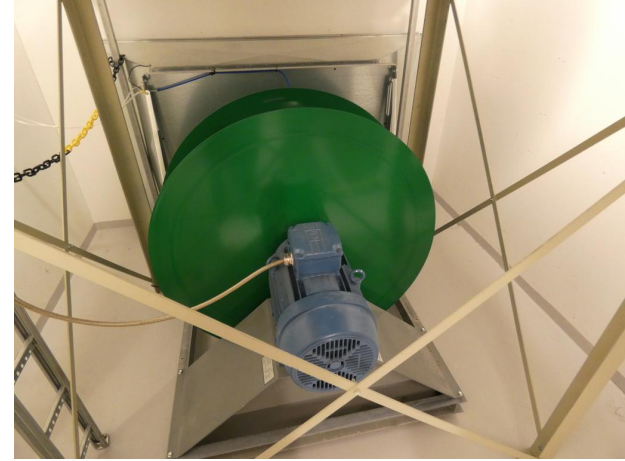
- HPC2N dCache Disk pools tarpooled
- ARC Cache machines upgraded to xenial
 - Failed to go to bionic since ARC 5 repo for bionic was broken
 - Some autofs problems due to kernel changes
- dCache tarpools - reboots when dcache is shutdown if reboot-required present
- Tape - tsm-server/library mishap during summer, 2 tapes unavailable until nikke back from vacation
 - library audit procedure now documented
 - Issue with ENDIT looping and filling logs due to tapes unavailable
 - Identified/fixed bug in tsm-server variant of ENDIT hint file generator that excluded “weird” volumes

Past (2)

- abisko-ce runs nested singularity jobs now
 - at least for user jobs
- ~half of the dCache disk pools now using BBR congestion control algorithm
 - No obvious changes on the bandwidth graphs
 - We do know from other tests that worst-case behaviour on bad links is much better
- !HPC2N: *Uploads from abisko-ce now prefers HPC2N!*

Past (3)

- Cluster machine room maintenance
 - Cooling energy meter replacement
 - Fan bearing replacement
 - Follow up on non-critical issues from earlier thermography
 - Apparently needed, lots of connections needed tightening in multiple power cabinets



Future

- Before end of 2019 - New dCache tape pools
 - Discussing specs/req's in separate session
- Before end of 2020 - New dCache disk pools
 - Will likely be similar stable&boring solution as current generation
 - Let us know if NDGF is relaxing requirements, no need for us to buy more expensive than needed...