NAF Status report

Yves Kemp
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DESY

Some problems

> Glibc-Bug: Reboot needed in timely manner

  - Was OK from our side

  - Also reboot of dCache pool nodes

> Network maintenance 3.2.2015

  - Unforeseen impact on some BIRD nodes and AFS server

Batch status

> Last week: Interaction SGE Master <-> Kerberos Token generator troubled

- We monitor this, however, the system was affected in a bad way and not triggering monitor

> General instabilities:

- Partially due to too little memory. Planning for memory upgrade (24 GB -> 48).
- Will be announced on short notice, expect downtime of <1h
- One effect seen: Writing into "other AFS directories"

> Batch-Server: Master-Shadow Master

- Switch did not work correctly on some occasion, losing jobs
- Disabled the shadow master

DESY

Batch status

> 433 nodes with Puppet SL6

> 18 nodes with SL6 non-Puppet … install problems, solved within short

> 70 nodes with SL5

> 14 H1 nodes to be integrated into BIRD

Batch future

> Have started effort for testing batch system alternatives

> Monitoring effort will be enhanced once direction is clear

> HTCondor: We are in contact with CERN, probably also contacting other sites

Storage

> SONAS works as fast NFS server

- Have to say that demanded performance is low: … ~2GByte/s average requested by users

> SONAS is getting old … but still under warranty for ~2y (some parts 3y)

> Plan alternatives now

> Some possible directions:

- Enlarging SONAS and continuing it is not envisaged currently

- Using GPFS as backend, and exporting it via NFS 4(.1) to NAF

- NetApp

- … this is currently discussed internally

> Users should not care what technology and product is behind their storage

Misc

> ATLAS TAG DB @ DESY: shutdown today at 11:00

  - ATLAS moves to another technology

> Linux User Meeting at DESY 12.3. @ 10:00

  - Announcement will follow

  - Discussions on Linux Desktop model … maybe of interest for local NAF user groups