

NAF status in March 2012

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Operational issues

> AFS:

- Various symptoms observed: Timeouts, slow reaction, ...
- Usually, tcafs13 is temporarily overloaded - Pool with ATLAS volumes
- Very difficult to pin this down to user, ask user for code, and debug – not enough manpower
- Please recall: Have as few writes to AFS as possible in your job! E.g. write temporary results to /tmp, only do one cp to AFS at the end of the job.

> Lustre

- Usually tcoss116 is under (too) heavy load. Problem exists since last update of ATLAS space: Too many volumes for one server.
- Symptoms: Slow data and metadata operations, I/O errors (if server crashed), potentially even data corruption
- Mostly only affects ATLAS, but also can hinder other groups as MetaData server is shared



Tickets to naf@desy.de

> Qstat: Errors

- “error: failed receiving gdi request response for mid=1 (got synchron> message receive timeout error).”
- Current status: No general problem, huge number of jobs can cause timeouts
- Batch system working properly, new jobs are accepted and treated

> Lustre file corruption reported (ATLAS)

- Hypothetically, files open on OST that crashes can become corrupt
- Not for these files, too old. We suspect user maloperation. No feedback from user.

> CVMFS ini setup for CMSSW: added



Tickets to naf@desy.de - 2

> Request for AFS backup restore

- If .OldFiles is not what you need: We have older version
- ... but this needs expert intervention. No used/group-admin tool available
- In this case, unfortunately, no backup to tape was done. Still under investigation.

> Change of certificate & Autoproxy

- Myproxy server for autoproxy remembers old DN – needs manual expert intervention



CVMFS status from our side

- > Two Squid server identified for CMS
- > Ini script added for easy setup
- > CMS should now be able to use CVMFS

- > ATLAS Squid situation: 1 new squid identified for ATLAS in HH, so now in total 2 in HH and 1 in ZN
- > Configuration being added to nodes

- > Given the latest AFS problems, experiments should make plans for adopting CVMFS as SW-repository.



Action Items & Miscellaneous

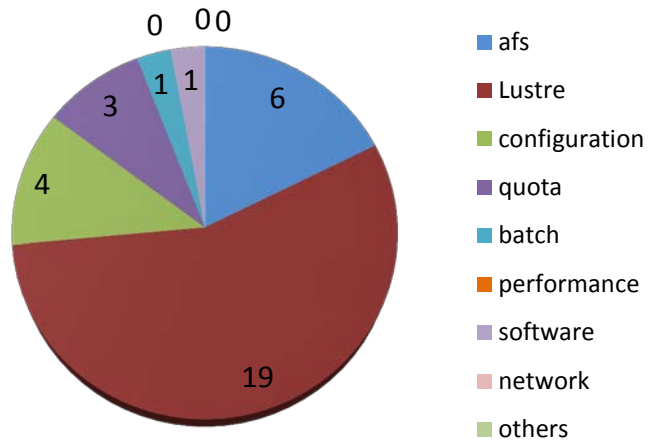
- > Multi-Core & PROOF usage since 1.3.2012
 - Atlas: 387 Walldays (vs. 33418 Walldays single-core)
 - CMS: 35 Walldays (vs. 57503 Walldays single-core)
 - ILC: 5 Walldays (vs. 4539 Walldays single-core)
 - Lhcb: 0 Walldays (vs. 2177 Walldays single-core)
- > Gridftp-Issues (observed with dcls by CMS e.g.)
 - dCache bug, solved by manually upgrading one gridftp door from CMS
- > Zeuthen dCache: HW instabilities on one pool over Easter Weekend
 - Fortunately no data loss – migration to other pool started
- > SL 5.8: Schedule unclear – Beta testing more difficult than usual



Naf-helpdesk@desy.de (Mar 1st- Mar 31st 2012)

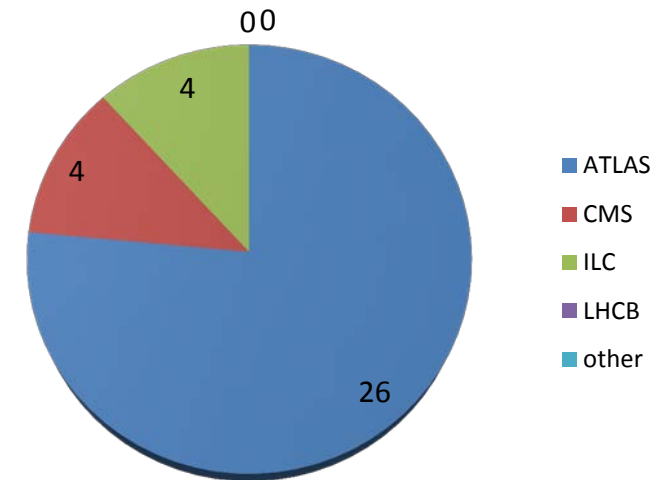
34 tickets in total

Category of Requests



Mainly AFS and Lustre problems have been reported

Requests by Experiment



Date/Category of Requests

