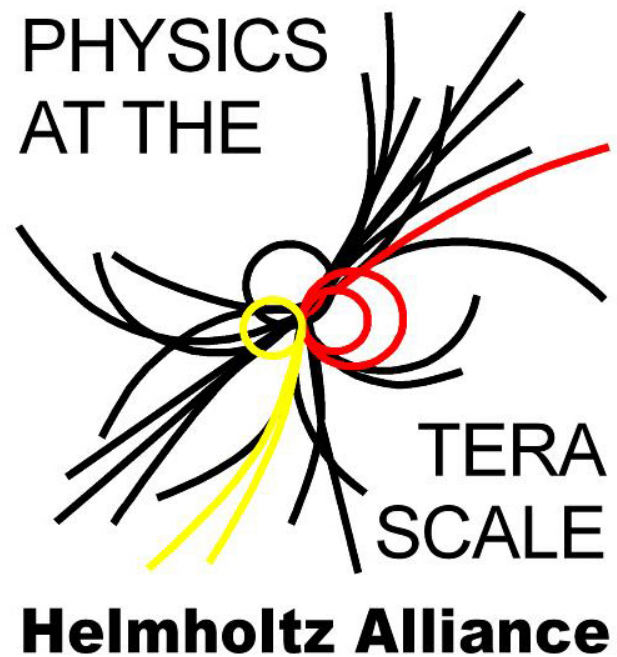


## NAF Status Report



[Andreas Haupt](#), [Yves Kemp](#)  
NUC, 15.1.2014

# Problems last month

- > Primary Group ID
- > On WGS: Still not 100% clear
  - SL5: OK
  - SL6/Puppet: Misconfiguration, fixed this morning
  - SL6/Salad: Missing ... see SL6 discussion
- > On BIRD batch: Taking over the primary group seems to not always work
  - Investigating
- > PROOF: Seems to be “intelligent” and bypass the primary GID on WN, and create files with the real primary GID from the registry
  - Mail to PoD developers



# Problems last month

- > CVMFS
- > One small problem: Some files were not accessible on some nodes
- > Difficult/impossible to detect and monitor
  
- > -l cvmfs flag:
  - All BIRD nodes have /cvmfs mounted via NFS
  - Not all BIRD nodes have the /cvmfs flag -> Will be done shortly
  - -l cvmfs flag not strictly necessary ... but:
  - Maybe change CVMFS deployment in future? Other OS? ...



# Problems last month

## > Sonas trouble on 12.12

- Induced by a troubled disk
- Unclear, should not happen – call opened

## > ILC WGS heavily swapping – needed reboot

- User induced ... and again shortly after reboot
- Appeared on a Saturday ... reaction only on Monday



# Grid User Interface

## > Painful history:

- SL4: 32bit only AFS UI (but somehow supported by middleware teams)
- SL5: 64bit onlye AFS UI (but somehow supported by middleware teams)
- SL6: NO AFS UI. Some attempts from DESY Grid admins, but nothing production grade.

## > End 2013: Problems with UI, openssl, voms-proxy-\* and services

- DESY AFS UI for SL6 basically non-functional

## > Decision early 2014: Remove AFS UI for SL6 completely

- No notification as it always was testing only

## > Future:

- SL5: Stay with AFS UI ... let's see how long this will work (see openssl problems)
- SL6: Perform a local installation and configuration on NAF machines – Easily possible with Puppet SL6 machines, somewhat painful (but possible) for Salad SL6 machines



## SL6 / Salad / Puppet

- > Some SL6 Puppet installed/configured machines
  - nafhh-atlas02 / nafhh-cms03
- > No special problems reported with these machines, assume setup basically is OK
  - ... except that slightly different setup Salad/Puppet SL6 is annoying for users
- > Proposal: Reinstall non-puppet SL6 nafhh- machines within next 1-2 weeks with SL6 Puppet
- > WNs: Currently in last steps of creating Puppet SL6 WN config, will need some testing
  - Expect to be ready in ~2 weeks
  - Rolling reinstall of all SL6 WNs with Puppet
- > Get serious and start with “module” (replacement of ini”)
  - Probably sit together for ~1-2 hours and have a kick-off hands-on
- > SL5: Salad only



## NAF 2.0 monitoring in general

- > Have been testing Splunk – will drop this option
- > Currently investigating Logstash/ElasticSearch/Kibana
- > Some advances, but nothing production ready
- > Use <http://bird.desy.de/status/> in the meantime
- > For WGS and Batch monitoring: Plan to deploy Ganglia
  - Selected plots/information will be made available to a broader audience



# WN batch migration

- > NAF 1.0: As of early 2014:
  - Two blade enclosure in Hamburg
  - 2 WGS for ATLAS, 2 WGS for CMS, 27 WNs=216 Cores
  - No LHCB
- > Proposal: Leave like this until ~DPG (end of March)
- > End of March: Shutdown batch and all 27 WNs, shutdown 1 WGS for ATLAS and for CMS
  - Stay with 1 WGS for ATLAS and 1 WGS for CMS until ... well ...





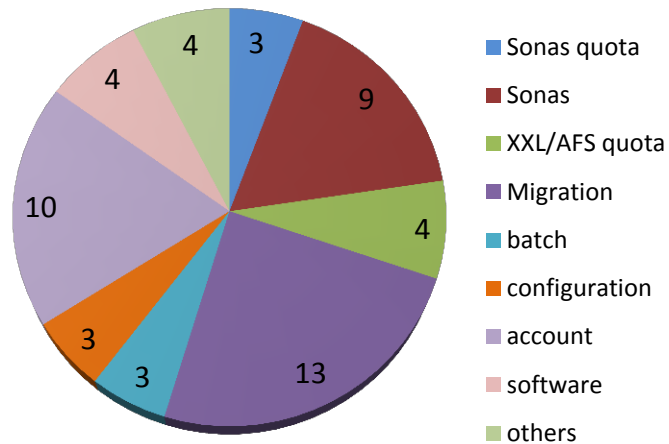
## Misc.

- > LHCB @ NAF 2.0
- > LHCB @ DESY-HH Grid
  - Going on
- > Next weeks: PoF-3 review
- > Will need user input
- > E.g. papers / internal notes / thesis / ... with major NAF involvement
  - Please sent a.s.a.p. to Friederike
- > Network intervention on 11.2. (5:00-8:00)
  - Expect disturbances ... more details to come



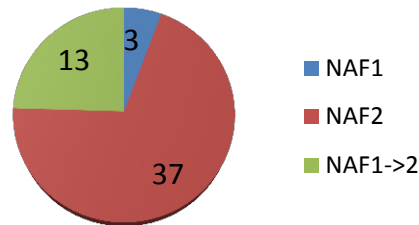
# [Naf-helpdesk@desy.de](mailto:Naf-helpdesk@desy.de) (Dec 1<sup>st</sup>- Dec 31<sup>st</sup> 2013)

Category of Requests

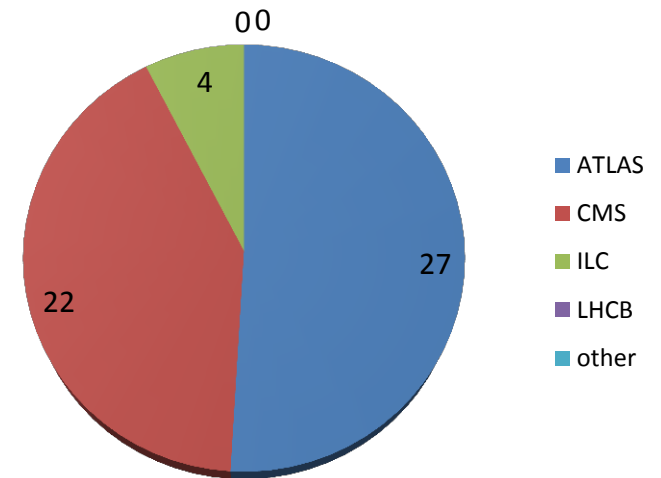


52 tickets in total

Many tickets related to migration to NAF2 or new access to NAF2



Requests by Experiment



Date/Category of Requests

