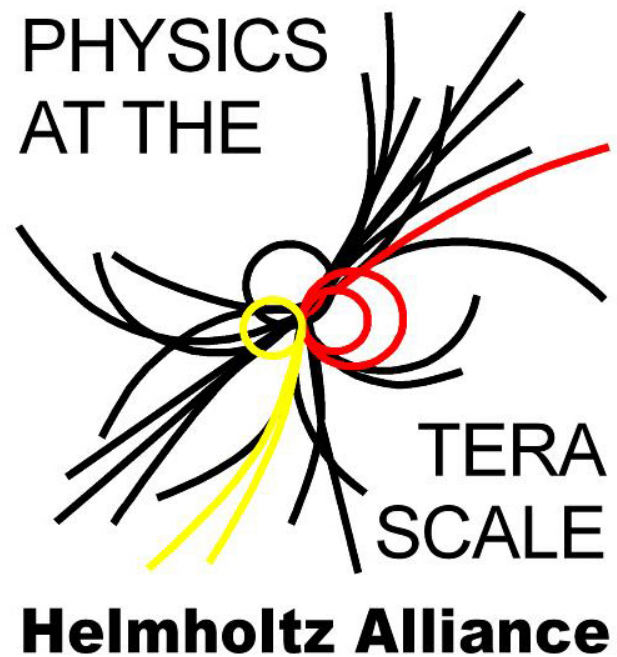


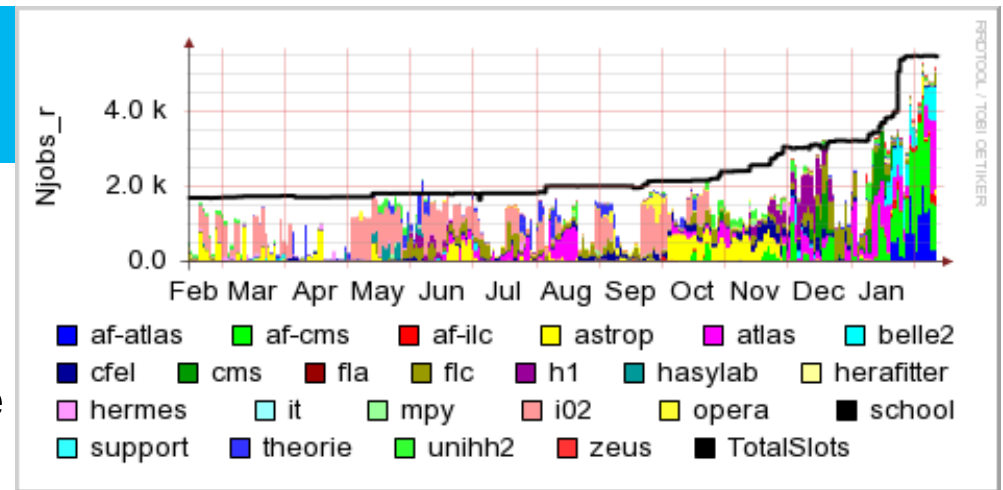
NAF Status Report



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NUC, 12.2.2014

BIRD Status

- > ~1500 SL5 cores / 136 hosts
- > ~4000 SL6 cores / 282 hosts
- > Main NAF1 -> NAF2 migration done
- > BIRD batch well filled



- > Several problems observed in the last weeks
- > We are on it and working with highest priority
 - Understanding why some jobs are rejected
 - Understanding why job submission is slow
 - Managing the WNs ... find out why some WNs behave differently (please recall the OS flag...)
 - Fairshare, user/group affiliation to fairshare, reservation....

Proof On Demand (PoD)

- > Remember: PoD not working as primary GID changed during PROOF process on WN
- > Contacted PoD and PROOF developers, got the following answer:
Add to file `/tmp/$USER/.PoD/etc/xpd.cf`
The line `xpd.multiuser 1`
- > CMS added this to their startup script
- > ATLAS ?



SL6 / Salad / Puppet

<code>nafhh-atlas01/02</code> <code>nafhh-atlas03-06</code>	<code>nafhh-cms01/02</code> <code>nafhh-cms03</code> <code>nafhh-cms04</code> <code>naf-uhhcms01-06</code>	<code>nafhh-ilc01</code> <code>nafhh-ilc02</code>
<code>nafhh-belle01</code> <code>nafhh-belle02</code> <code>nafhh-herafitter</code> <code>nafhh-lhcb01 6.4</code> <code>nafhh-sl6tst 6.5</code>	<code>nafhh-zeus01 6.5</code> <code>nafhh-zeus02 6.5</code> <code>nafhh-x1 (U12.04)</code> <code>nafhh-x2 6.3</code>	SL5 SL6 - Salad SL6 - Puppet

- > Puppet SL6 WGS: Some work done ... some more to come.
- > Puppet SL6 WNs ... still ongoing, software management problems encountered



Module vs. ini

- > SL6 – should use module

```
nafhh-atlas01::~~>module avail
```

```
... root/5.34 ...
```

- > Possibility to add group-specific module definition by extending \$MODULEPATH

- \$MODULEPATH could e.g. point to /afs/desy.de/group/<group>/etc/modulefiles

- > Need to think where best to setup such a path



Sonas

- > Addition of new hardware ... see table for new shares
- > Some interruptions in January ... under investigation with IBM
- > Quota monitoring & management for NAF2 now in place
 - Currently DESY-internal webpage – opening is planned but needs some work
 - ssh-tunneling could be done in the meantime
 - CLI tool for personal quota monitoring possible – easy on SL6, difficult on SL5

Shares	TB (819 tot)	%
Atlas	345	42.13
Cms	266	32.48
Ilc	108	13.17
Belle1	30	3.66
Belle2	20	2.44
LHCb	50	6.11



XXL Volumes

- > **An** XXL volume is managed by **a** group admin
 - That means: one XXL volume per group a user is in
- > People within one VO have different path to XXL volume
- > Have \$HOME/xxl-<group> or something?
 - Current the default if nothing else configured
 - \$HOME/xxl is legacy – can be changed if needed
- > Group all XXL volumes of one group in one base dir?
 - E.g. /afs/desy.de/group/<GROUP>/pool/<USER>
 - E.g. CMS group (NOT af-cms!)
- > Have \$HOME/xxl as base dir for all personal XXL volumes
 - E.g. \$HOME/xxl/af-atlas
- > ?



NAF 2.0 monitoring in general

- > Use <http://bird.desy.de/status/> in the meantime
 - An error in #running jobs spotted – fixed (affected plots of ~1 day)
 - The #waiting jobs is correct (afaik) ... the counting of array jobs might confuse
- > Special monitoring data and plot available on request
- > Have deployed Ganglia for testing purposes
 - Currently working quite well
 - Will need to learn more about a new Ganglia web interface that is necessary to present information to users / groups



Network

> Network intervention on 11.2. (5:00-8:00)

- Worked like planned – except that Cisco hardware reacted much longer to certain commands than foreseen (~25min instead of ~30sec)
- Had to extend downtime to 9:00 – actually finished at 9:10
- Non-availability extended from ~30sec to ~20 minutes ...

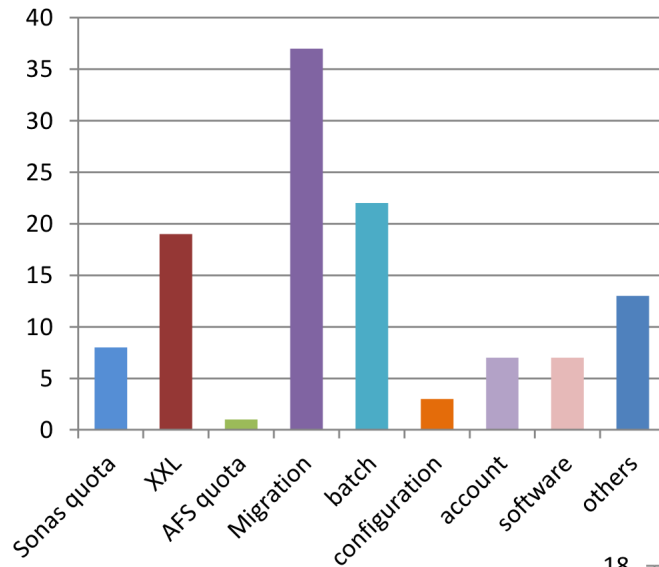
> Forgot to warn NAF users in separate email

- NAF-1 users indeed got no warning
- NAF-2 users were warned by normal UCO methods ... good!



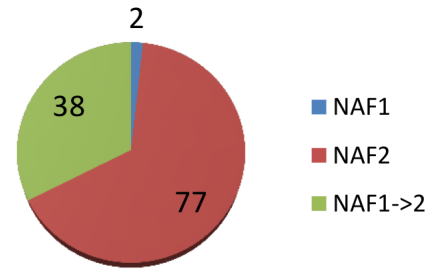
Naf-helpdesk@desy.de (Jan 1st- Jan 31st 2014)

Category of Requests

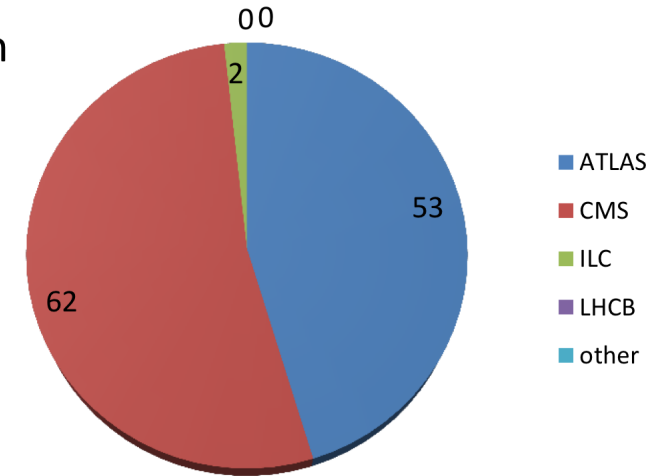


117 tickets in total!

- Main issue: batch system
- Again many tickets related to migration



Requests by Experiment



Date/Category of Requests

