NAF Status

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| ASSOCIATION
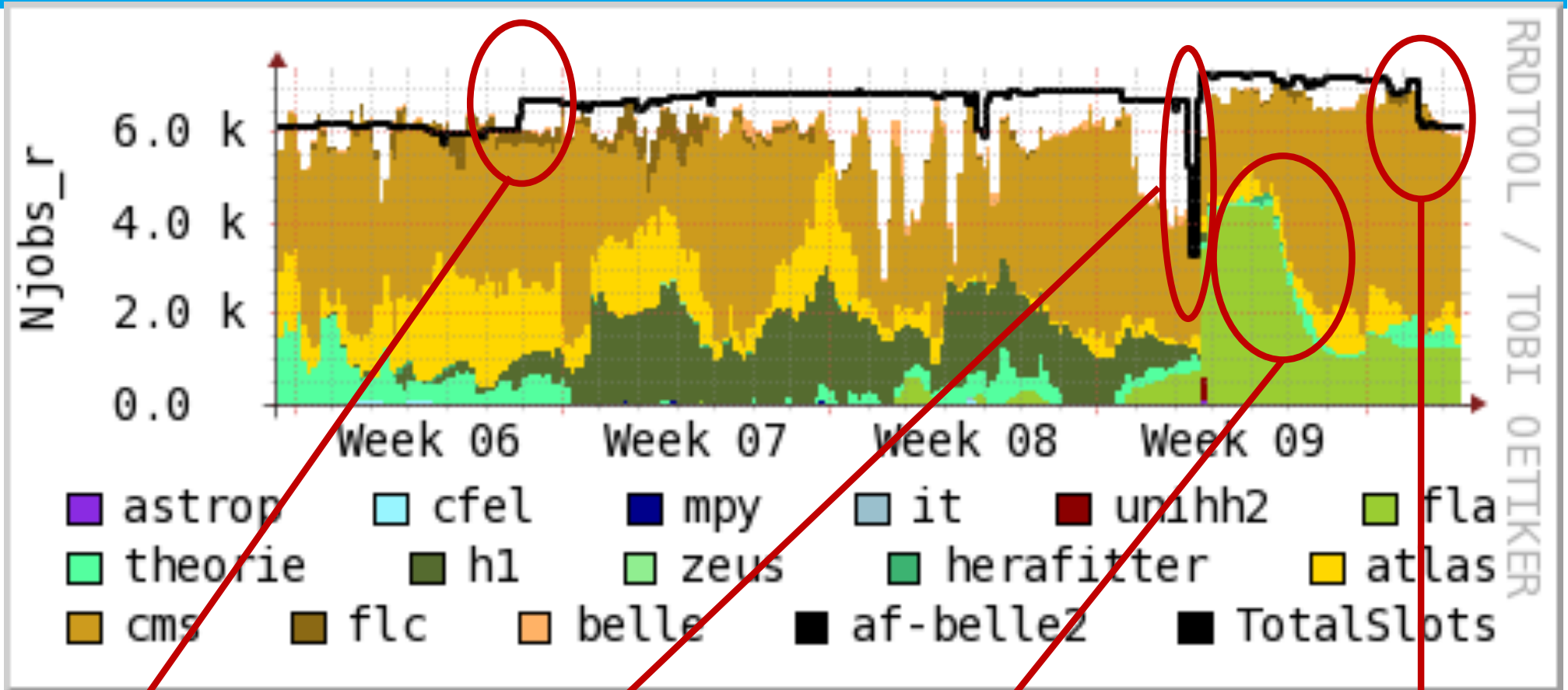
DESY

BIRD in the last month

Corrected host queue definition

Scheduler overload
Too many non-array jobs

Corrected the handling of arrays of multi-core jobs
Subsequent adjustment of #MaxRunningJobs

3-day outage of RZ4
Starting today
Needed draining before

Distro:

> ## EL7: No WGS ... But: qrsh –l os=el7

- ~ 20 WN with EL7 available

- Please test (and use)!

- Anyone had a try?

> ## Qrsh –l os=el7

- Anyone had a try?

- ... Or is this too complicated?

- This is the easiest for us, as otherwise, we would need 1 EL—WGS/Experiment for testing only

Reboot of WGS

> Had to reboot the WGS because of Kernel exploit

> With this:

- Relocation of some WGS from RZ4 to RZ1/2

- Fixing some CVMFS cache partitions

- Fixing some small /tmp partitions

- Prepared a separation of NFS proxies between WGS and WNs

- Reconfiguring Grid-UI: All WGS now use exclusively CVMFS Grid UI

DUST

> We had some problem reports. Selected issues:

> „ls –l „ in a directory with n*100k entries

  - Relates to a wrong handling of timeouts in client-server communications. Has been passed to developers

> LHCb: File locking problem in Ganga

  - NFSv4 expected behaviour

  - We proposed a patch to Ganga developers that corrects file locking handling

  - Patch got accepted

> General Performance issues

  - Currently unclear. We observe them ourselves. In discussion with IBM development

  - Preparation of dedicated export nodes for the WGS

> Stability issues

  - Occasional crashes of export nodes. Need to provide dumps to IBM development

  - Gathering logs and dumps is seen sometimes by users

Jupyter / ROOT notebooks & FastX

> Who is using Jupyter / ROOT notebooks?

> We will start looking into this

> It has been asked for the current statistics school ... Unfortunately on too short notice to implement

> FastX:

- We have nafhh-x1 (Ubuntu 14.04) and nafhh-x2 (SL6) as graphical entry points.

- Usage?

- Reinstallation of nafhh-x1 -> Ubuntu 16.04, with newer FastX version that can use the browser

- Want to see a live-demo?

PRC

> PRC 21/22. March in Hamburg

- Preparation meeting with the experiments

- Putting together some information for the reviewers

> The last recommendation contained: *As part of the migration away from Sonas, it would be prudent to address obsolete user data which has led currently to the Sonas system being nearly full.*

- During the migration, all datasets from no-longer-existing users were dropped

- Experiments should adress the topic of „cold, unused data" from existing users.

- IT will provide lists of such cold data – but only in autumn, when DUST runs for more than 6 month ... But experiments should think about the handling of this data. PRC will follow this up.

Purchases

> Doubling of DUST capacity: Quotes awaited

> 1 Pbyte dCache: Finalizing quotes

> BIRD: Current plan purchase in ~October

> DESY starting a tender for server frame contracts. Current frame contract ends 1.9.2017