

NAF Status Report

Untertitel der Präsentation

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NUC, 13.02.2019

Small storage around the NAF

- The „big“ storage:
 - DUST // dCache / pnfs mount // NetApp group storage
- The “smaller“ storage: Group NFS servers
 - Sometimes also used as WGS
 - By smaller groups
- These systems are not good for many reasons:
 - Difficult to administer (hence rarely touched)
 - High operational costs (power, space, system and HW maintenance)
 - Not scaling, hence posing problems for large batch systems
- We will only allow „big“ storage to be mounted on Bird/NAF in future!
 - Please contact IT if you are in need of „small“ storage – we can integrate you into „big“ storage

Documentation

- We had https://naf-wiki.desy.de/Main_Page in the past. Although WIKI, not much used.
 - This kind of Wiki no longer supported
- Migrating to confluence:
 - <https://confluence.desy.de/display/IS/Resources>
 - Already lots of documentation, most naf-wiki stuff is already migrated
- Communicated entry point for documentation is
 - **<http://bird.desy.de/>**
 - This is a redirect to confluence

Slide from July 2018

OK?

SL6 vs EL7:

- WGS: Any news here?
- Batch:
 - New systems (47 AMD systems, mostly from NAF/IT, some Uni and DESY-Theory): Have to run on EL7
- Containers: Concept:
 - **We (IT admins)** use docker, with OUR managed images. We offer SL6 and EL7 (and maybe small number of other OS in future) via docker. Docker layer invisible to users
 - **You (user)** use singularity, if you need special container/OS environment. You get your own image, and start it yourself
- Containers: Status:
 - Pilot image with: AFS, Kerberos (incl. renewal), network storage access, CVMFS, ...
 - Node scaling and performance testing: OK. Steering via HTCondor: OK.
 - Now needs to work on automated creation, management, distribution and distribution. And hardening.
- Buidling user containers at NAF: Needed? By whom? (Experts, all users, ...)? How (CI, commands,...)

GPU on NAF

- Remember: One interactive nodes for each ATLAS, CMS, ILC, BELLE
 - Working
- GPUs in batch
 - Purchased in two bunches:
 - IT and ATLAS
 - The ATLAS ones are working
 - The IT ones unfortunately not. Cooling problems, reducing GPU capacity to 20% when in use. In touch with vendor, will know this/next week how to proceed.
- Docu: <https://confluence.desy.de/display/IS/GPU+on+NAF>