NAF Status

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Reboots

> Need to reboot WGS (and WNs) after Eastern

  ▪ Kernel vulnerability

> In general: Will need a more stricter policy of rebooting machines

  ▪ Especially WGS, as they have a world-wide firewall opening for ssh

  ▪ E.g. Reboot once per month minimum, reboot with head-ups of 24h-48h in case of serious issues

  ▪ Staggered approach (e.g. wgs01-03 tomorrow morning, wgs04-06 tomorrow evening)

UI

> Last month: All WGS have now CVMFS Grid UI.

> WNs still have RPM installed UI

> These are divergent

  - CVMFS: currently still older EMI based UI

  - RPM: newer UMD baser UI

> UMD4 UI via CVMFS has been recently released

> Plan: Switch to this one after Eastern

  - CMS/Christoph testing

  - On ALL NAF machines!

DUST

> 2x new proxies with 4x10GE in production, existing machines will also receive 4x10GE at some point in time

> Performance Issues (initially observed on ILC WGS)

  - IO some times very slow (30s vs minutes/hours)

  - No conclusion, both from IBM and admin perspective

  - IBM: Analyzing dumps and traces, but still no real outcome

  - Admin: Impact on users unclear

  - Current plan: Apply GPFS and Ganesha updates, fixes additional bugs as well

> LS-bug: (ATLAS) Is returning half output in directories with >200k files

  - Known issue in Ganesha, fixed in later GPFS releases

  - GPFS Update will be applied after easter

> (BELLE) Software compilation failing

  - unsolved, no news from user either

DESY

DUST _ 2

> (CMS) Input/Output error during software compilation

>> More information requested from user
>> Problem seems to have gone

> Storage building blocks (ESS GL6 & GS1) require software update

>> Reasons: RHEL 7.1 no longer receiving security updates, closing version gap to proxies and new features like call home
>> Will be applied online -> multiple failovers might result into little IO interruptions
>> Estimation: 2 days required for update, procedure already well-tried in PETRA III & XFEL cluste
>> Will be announced in advance

> Capcity extensio (doubling capacity)

>> Awaiting "Freigabe der Mittel"

HNSciCloud

> HNSciCloud: European project with lots of HEP, Astro, Photon, etc. labs/communities.

- Putting money in a common pot, EU adds some money

- Identifying missing parts these communities wouldneed to use commercial clouds

- Give some commercial cloud providers >50% of the money to develop the missing parts

- Take the rest of the money to effectively do something (compute, storage, ...) on public clouds

> NAF is in the game

- For end-users: No change! Everything should stay identical

- Some adaptions under the hood: Transparant data access to DUST etc.

- Development work has been put into this by commercial providers

- Will start working on this within next weeks for prototype usage