Operational Fabric WG: Milestones

Prepared by Davide Salomoni, NIKHEF

(davides@nikhef.nl)

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WG4: Summary of Actions

- Provide details on Quattor scalability (comparable to an analogous work made in EDG times for LCFG) and resilience, with an How-To – German Cancio
- Better document which components are available at CERN, and encourage their usage outside of CERN – German Cancio
- Organize a Quattor training for interested parties – CERN (around December)
- Write a document on how to configure maui for simple use cases, targeting mostly smaller sites. There are several ongoing drafts that already partially deal with this – we need to integrate them. RAL, CERN-GD (Sophie Lemaitre), NIKHEF.
- There are useful patches to both Torque and Maui, developed by some of the sites: integrate them into a set of RPMs, and also try to get those patches accepted by the official Torque/Maui distributions. RAL, NIKHEF (+ CERN-GD?)
- Create a subgroup to document which tests should be made at the fabric level to verify that WNs, batch system are in good order
    - Try out Piotr's script locally
    - Validate and integrate existing scripts
    - Weizmann, RAL, CNAF, IN2P3, NIKHEF, CERN (German Cancio)
- Gather existing HT data, and perform some tests – CNAF, IN2P3, RAL
- Survey of common use cases for farm set-ups: review document being written in SEE-GRID (to be out approx. in 1 week) – All
- Communication channels? (open point)

Milestones: Rationale

- Start from the LCG workshop discussions
- Focus on tasks that can be divided across small subgroups
- Maintain an hands-on approach targeted especially of small/less experienced sites
- Be realistic with dates: not many effective working days are left before end of the year
- Do not be overoptimistic on the scope (e.g., do not try to redo EDG WP4 deliverables)
- *Try* to target most of the items before end of the year

Milestones: Quattor

- Training: at CERN, tentatively around Dec 9/10 (to be confirmed by German Cancio)
  - Hopefully, some sites other than CERN will be able to contribute, especially with talks on e.g. LCG configurations
- Details on Quattor scalability, cookbook for resilient configurations: first draft by early next week (Nov 22)
- Provide details on which Quattor components have been developed at CERN, and how they can be used by other sites: targeted by the end of November.
- Quattor RC is now out: will probe sites that have expressed interest in Quattor to provide feedback and bug reports. First "official" Quattor release hopefully out by the time the tutorial is held.

Milestones: Batch System

- Short meeting between CERN, RAL, NIKHEF to discuss fairsharing operational experience held last week at CERN
- First draft of the "Maui cookbook" (prepared by Sophie Lemaitre) planned for this week, to be circulated among interested parties
  - Need then to integrate RAL, NIKHEF experience
  - First "final" version targeted by Mid-December
- Integration of various NIKHEF, RAL patches into a single set of RPMs for Torque and Maui: targeted by Mid-December
  - New Torque release (w/ patches) ready at NIKHEF, will be tested this week

Milestones: Grid Fabric Monitoring

- Goal: provide a simple how-to document describing *easy* ways of monitoring farm nodes that are part of a grid environment
  - Reduce the impact of the so-called black-holes
- Will initiate discussions and tests this week among interested parties (Weizmann, RAL, CNAF, IN2P3, NIKHEF, CERN)
- Document targeted by December

Milestones: Farm Set-up

- Hyper-threading discussions ongoing on LCG-ROLLOUT
  - Will be captured in the final document
  - Plus, new tests expected by some sites
- SEE-GRID *draft* technological roadmap received
  - Interesting input for a how-to document focused on recipes tailored especially to smaller sites
  - Will initiate discussions this week
- First draft hopefully by December