

FTS3 – Operations



FTS3 @ CERN changes

- FTS development and FTS operations will move to future Storage group (current DSS)
 - Starting 1st January
 - Only the service moves, not the effort
- To be expected a transition period
 - Probably until full migration towards CC7
- To be decided who will actually run the service



12/1/2015

Release Rollout

- FTS3 has been stable and without problems for a while now
- 3.4 is already on the queue to be released
 - Not a hotfix release
- So for this release (and others without hotfixes), we'd like to propose



Release Rollout

- Upgrade CERN-Pilot
- When deemed ready[1][2], upgrade CERN-PROD
 - First qa nodes, then master
- Run it for a few days (between 3 and 7)
 - We can keep an eye on it and react faster[2]
- Upgrade RAL and BNL



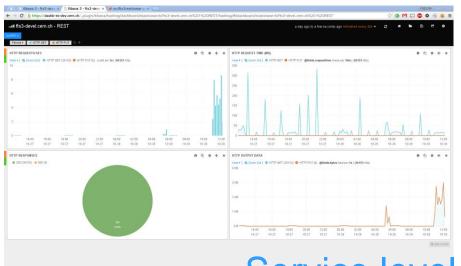
[1] Release Rollout

- We are working on a mix of functional, load and stress tests including fake and real storages
 - EOS, a few Tier1 and a some Tier2 agreed to give us (dteam) more storage
 - Atlas agreed to give us files to fill that space
 - We will mimic on the Pilot as much as we can production behavior
 - Longer term, the objective is to put even more load on the Pilot than on a production instance

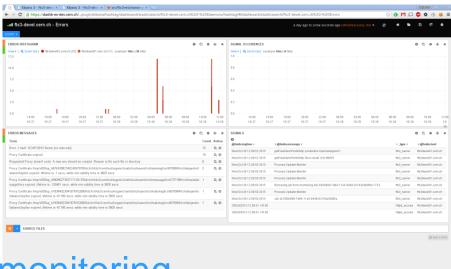


[2] Release Rollout

For this, we need better monitoring tools



Service level monitoring





Monitoring tools

Any help getting this sort of monitoring would be greatly appreciated



Other discussion points



IPv6 load balancing

- Lack-of giving trouble to LHCb
- Application-side logic unlikely to change, probably need DNS-side support



Database schema changes

- Require downtime, is this acceptable?
- Aims are improving performance, reduce disk space, etc.



Potential new services

- Is it acceptable to add new building blocks?
 - i.e. messaging, in-memory caches...



Your feedback

- What would you change?
- What wouldn't you change?

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Missing anything?

