



# FTS3 – Operations

# FTS3 @ CERN changes

- FTS development **and** FTS operations will move to future Storage group (current DSS)
  - Starting 1<sup>st</sup> 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

# 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



# 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?
- Missing anything?