Rucio renaming

ADC weekly

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Reminders

- Rucio doesn't rely on LFC to store the file replica path. The path can be directly obtained from the LFN via a deterministic function : For LFN=scope:filename (scope is a way to partition the namespace), the PFN will be <site_prefix>/rucio/scope/L1/L2/filename where L1/L2 are the 2 first bytes of MD5(LFN).

- Therefore, before migrating to Rucio, all files on all DQ2 endpoints need to be renamed.

- This renaming is done centrally for sites that provides WebDAV access (dCache, DPM, EOS, StoRM). Savannah tickets have been opened to track this deployement.

- Right now 64% of the endpoints have already been "renamed" by DDM dev+ops. 15% more (US T2s + BNL) will come soon (work done by Hiro and US squad).

Deadline

- On 1st February 2014, we will start migrating the sites from the LFC catalog to Rucio File Catalog.
- Deadline : On 1st of February, all sites that have not been "renamed" won't be included into DDM/Rucio.
  - Exceptions can be discussed for sites with migration in progress with clear plans agreed beforehand with DDM/Rucio teams
- What we expect :
  - DPM and dCache sites must provide a WebDAV access before this date to allow remote renaming. If they cannot/do not want, they have to contact atlas-dq2-ops@cern.ch and they will have to take care of the renaming themselves.
  - For StoRM sites, we notice that the performance of the current implementation of WebDAV is not good enough. StoRM developpers are working on an improved version, but it might be tight to have it deployed on all StoRM sites by February 1st. Those sites will be contacted directly by DDM ops