



# A few Data Management Items

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# Data management

- A few questions about data management
- Important consequences, situations to be understood
- Appeared in recent email discussions
- We propose them here

# Xrootd 4

- Major improvements, many new features
  - IPv6, public/private networks and many others
- Do experiments need it deployed soon ?
- Do sites need it soon ?
  
- How/when can this deployment be organized ?
  
- Some issues exist that will require coordination in release/deployment
  - Is the integration with ROOT available ?
    - Linked to the new xrootd client replacing the historical one
  - Potential subtle differences between old and new client lib
    - How to coordinate troubleshooting and deployment of fixes ?
- Are these fully understood, are resolutions on track ?

# Xrootd 4 and EPEL

- Many sites installed Xrootd from EPEL
  - Tens of them with DPM in WLCG
- DPM is ready and tested using the official Xrootd4 trunk builds
- Also FTS needs the xrootd4 client, to support xfers
- Is there a plan/timescale for the release of Xrootd4 in EPEL?
- How long shall the DPM team maintain two branches of dpm-xrootd (3 and 4) ?
  
- The discussions mentioned the compatibility with the ROOT release currently in EPEL. Who is waiting whom ?

# SRM metadata campaigns

- Metadata (or management) protocol moving away from SRM (though legacy use continues).
  - E.g. recent SRM load from ATLAS deletion
    - Very high CPU, increasing backlog
    - It worked it seems, yet at white heat
- Is move to other protocols on track ?
- Are other experiments doing massive metadata campaigns through SRM ?
- Do experiments now know their metadata requirements on sites/systems ?

# Interface “rationalization” ?

- Are there plans to switch this kind of campaigns to WebDAV/Xrootd ?
  - Things would be more controllable, at least for DPM
  - Someone mentioned GridFTP for this... what would make it a good choice ?
- Do we have a clear path to rationalising the storage interfaces?' Do we need to task a WG (e.g. Data WG) to ensure the eventual simplification.