HTTP Update

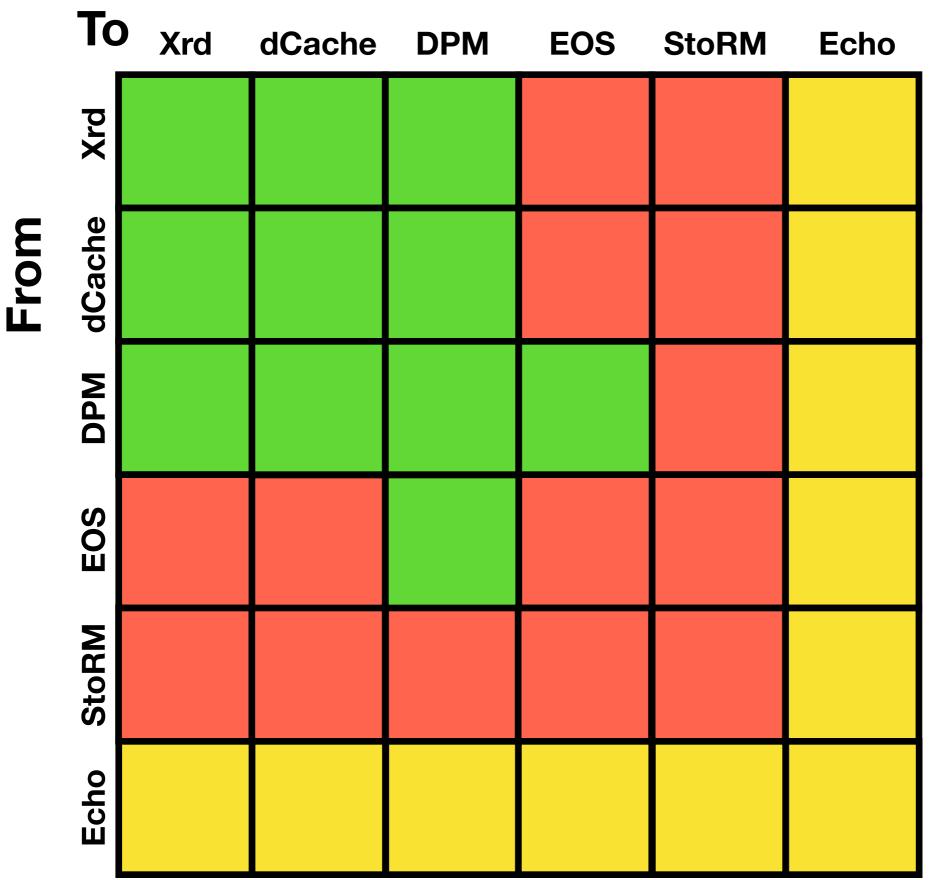
WLCG DOMA / TPC Brian Bockelman, 12 September 2018

Quick Update

- Goals from last time:
 - 4 PhEDEx links upgraded. **PARTIAL**. 3 done.
 - "10TB scale test". **PARTIAL**. We have hit 1TB (and still increasing on the Rucio side).
- Switching to Rucio for stageout revealed some unknown problems in the combination of token auth and creating parent directories.
 - Filed as bug dCache RT#9503.
 - dCache has scheduled a number of minor Macaroon fixes in the next bug fix update.
- SToRM: Any update on the POST issue? Andrea C. noted the problematic behavior (StoRM responds to POST as if it was GET instead of an error) is a bug, but I don't have a link to an issue tracker...
- Echo: Test endpoint not yet available! We are now at 4 weeks on this... how can we help?
- Starting to capture the precise Macaroon semantics and agreed-upon HTTP headers (i.e., https://twiki.cern.ch/twiki/bin/view/LCG/HttpTpcTechnical).
 - Paul, Andrea C., and Brian had a good working meeting about switching token acquisition to OAuth.

Connectivity Matrix





Known Issues

- Removed all items that have been fixed for more than one month.
- DAVIX: All open issues fixed in 0.6.9 (unreleased?)
- gfal2: All open issues fixed in 2.16.0 (unreleased?)
- DPM: Is there any plan to support adler32 for the "legacy DPM"?
 - This is the only source of failures I see in the Rucio dashboard.
- dCache:
 - Macaroon does not work with COPY unless its path points to parent directory. dCache RT#9468. Workaround in FTS3 PR #18. Fixed in next dCache minor update.
 - Macaroon authorization does not allow parent directory creation. dCache RT#9503.
 Issue acknowledged and being tackled short-term.
- Xrootd: Any update on when a 4.9.0 RC will appear?