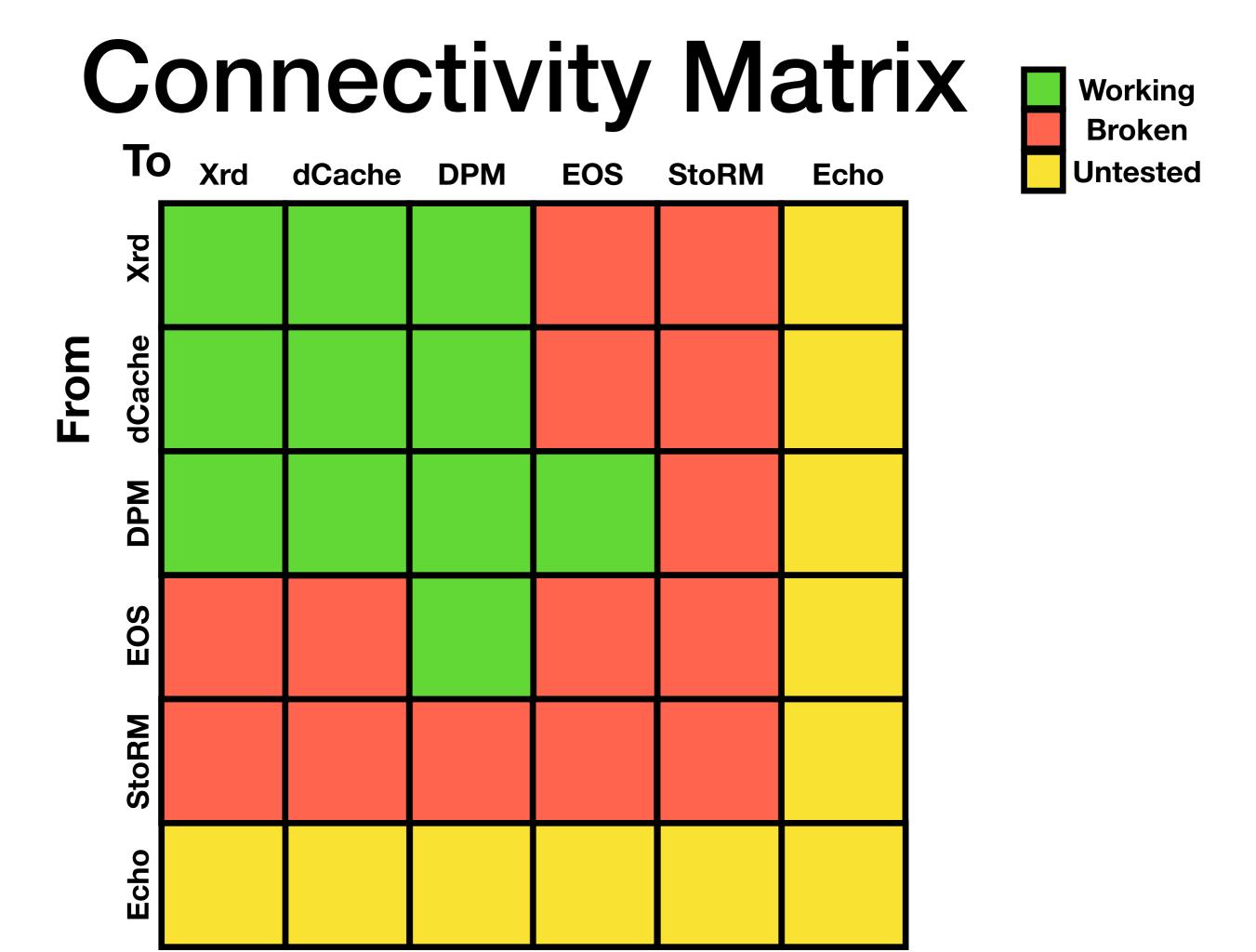
HTTP Update

WLCG DOMA / TPC Brian Bockelman, 12 September 2018

Quick Update

- Goals from last time:
 - Re-run all the connectivity matrix tests against fts3-devel. DONE
 - 4 PhEDEx links upgraded. **PARTIAL**. 2 done, 2 in progress.
 - Scale testing waiting for Rucio testing instance. Thomas and Andrea have started to move files via this instance, but not yet to scale test status. **Updates?**
- Again, significant stress tests on XrdHttp (and corresponding patches).
 - Nebraska moved about 1PB using XrdHttp at very high levels of concurrency (up to 60Gbps at peaks).
 - Nebraska's stageout from worker nodes switched from GridFTP to HTTPS.
- Investigated EOS issues (as EOS -> dCache should work but doesn't). Appears to be due to lingering DNS issues (eosppshttp01.cern.ch redirects to eosppshttp.cern.ch; the latter doesn't exist.
- SToRM: When POST for macaroon is performed, returns entire file instead of (expected) error. Might actually work for some cases, but testing is tedious when a 4GB "macaroon" is returned..
 - Seems to just be an incorrect HTTP response, probably easy to work around.
- Echo: Test endpoint not yet available.



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: No pressing issues?
- dCache:
 - Macaroon does not work with COPY unless its path points to parent directory. dCache RT#9468. Workaround in FTS3 PR #18.
 - Does not recognize "davs" as a valid scheme. dCache RT#9473 and DMC-1070.
- Xrootd:
 - Several stability and protocol compliance. Since last report PR#819, #816, #822, #814, #812
 - Particularly, Xrootd 4.9.0 will support checksums over HTTPS.
- EOS: Integration with XrdHttp in-progress. Any updates today?
- StoRM: TPC implementation in-progress. Passive support seems fine; X509-only. Any updates today?

26 Sept Goals

- 4 PhEDEx links upgraded.
- "10TB scale test"
- Get StoRM working for "passive" part of transfer.
- Echo endpoint for testing.
- Progress report from EOS team (their goal was test endpoint ready by early October).