

DOMA TPC (& QoS)

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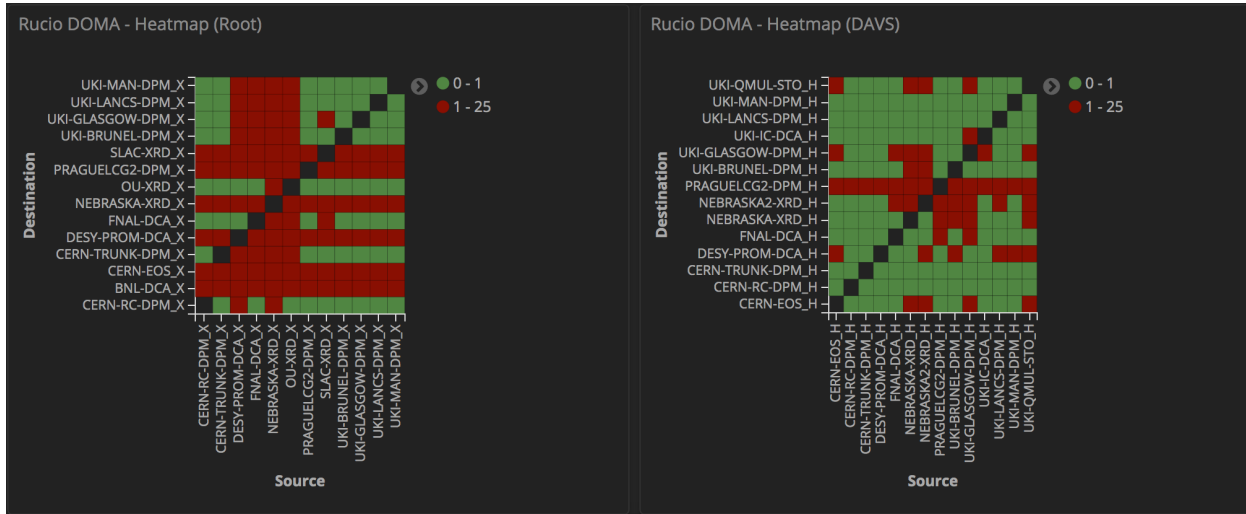
TPC Phase 2

- Phase 2 (deadline 30 June 2019): All sites providing more than 3PB of storage to WLCG experiments are required to have one non-GridFTP endpoint in production.

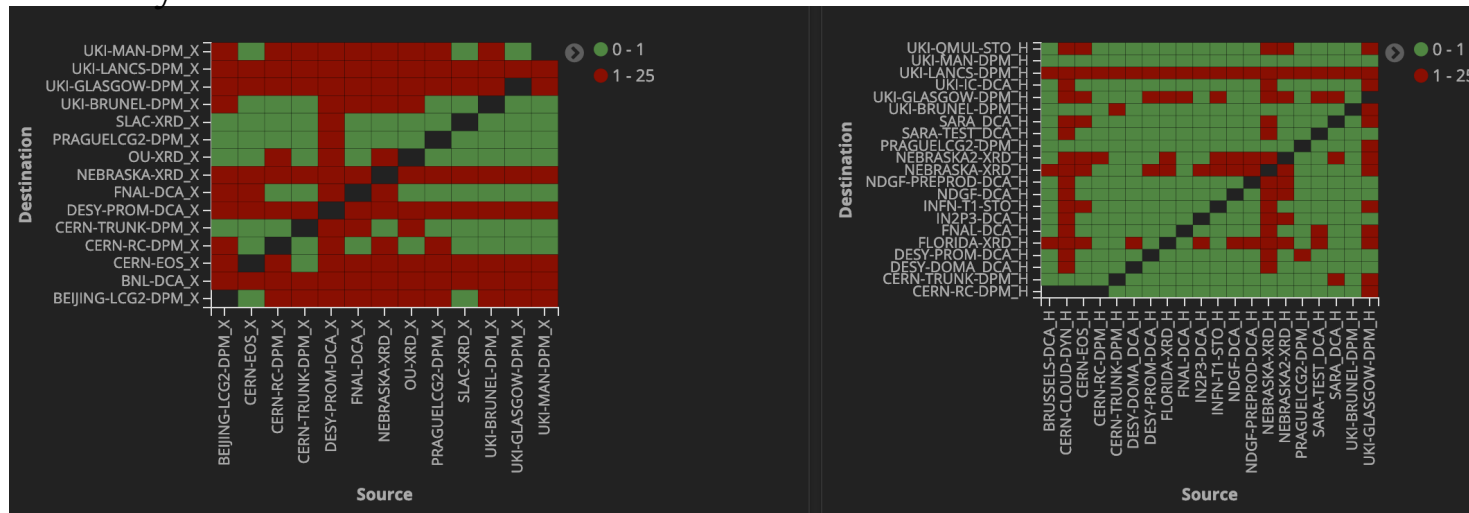


Functional tests

December



January

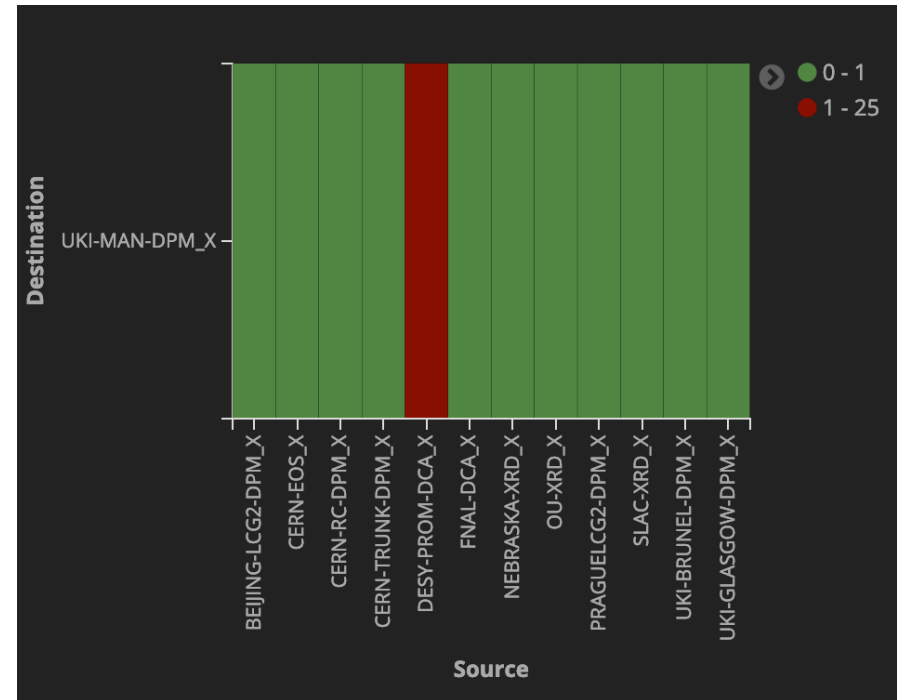
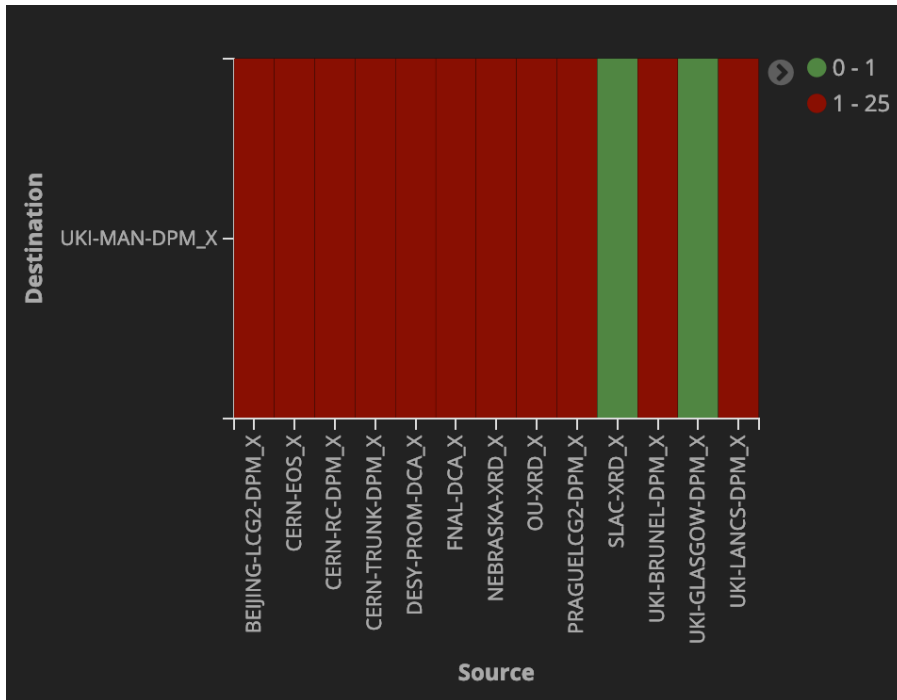


xrootd

- Xrootd 4.9.0 is now in EPEL testing
 - Waiting for enough karmas
- Delegation protocol documentation for dcache has been released
 - FNAL (A. Rossi) is implementing
- DPM checksum
- Native xrootd http bearer tokens
- Instructions for different storages on how to enable it will be added to the twiki
 - For native xrootd, DPM, EOS will work out of the box
 - For ceph RAL is working on the plugin
 - Sites like BNL need a proxy are considered special cases



Xrootd functional tests



Manchester xrootd functional testing as a destination before and after enabling delegation.

- Expect much greener in a short while



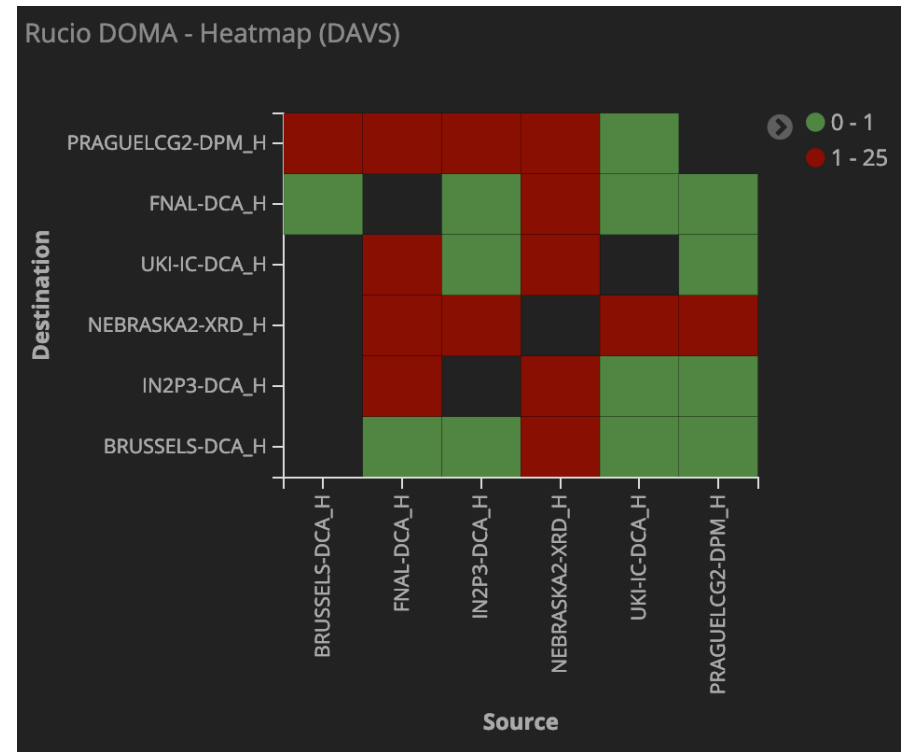
http

- Works with bearer tokens
- Functional tests quite green
- Group of sites grown quite large >24 sites are participating
 - Hit kibana heat map display limits, we will have to split it
 - Still discussing how to split it
- Paul Millar wrote a smoke test that performs a series of atomic tests for each DNS entry of a storage
 - Send a daily summary of the situation
 - Quite useful to chase sites



Scale tests

- Brian wrote also a set of scripts to execute stress tests for http
 - [In github](#)
- It copies and deletes continuously a medium size dataset
- Still need to decide exactly the metrics
- Need to replicate this for xrootd



Policies

- For functional tests we will keep on adding sites that want to participate
 - However feeling that some sites are not proactive in fixing problems
 - Universal truth sites have to be chased but now we will give them a week to solve the problem if it can be solved otherwise they will be dropped
 - Testbeds welcome
- For scale tests
 - We need production sites
 - For this phase large sites
 - They'll need to upgrade to the latest releases of their storages to support all the functionalities



Are we on track?

- No, yet.
- A lot of things have happened and some people have put quite a lot of work into it but...
- We need to step up a gear
 - Metrics on which we want to do the evaluationsC
 - Setup scale tests for both protocols in a way that will not disrupt production services and without overlapping
 - Follow up with sites
 - Setup the monitoring
 - If we keep on using rucio kibana we will need several dashboards
 - We cannot rely only on a daily email for scale tests



But...

- We still need the 3PB sites to be setup and participate to the effort to complete the phase.
- For most storage solutions it should be transparent
- For DPM we have the deployment TF
 - Upgrading to 1.11 not a problem
 - Checksum though requires moving to DOME

