

Lessons learned from an atlas data movement stress test for the Lancaster WLCG Tier-2's new XROOTD/CEPHFS storage.

Thursday 3 November 2022 14:05 (25 minutes)

In an attempt to stress test and gauge the throughput potential of the new XRootD fronted CEPHFS storage element at the Lancaster WLCG Tier 2 a large scale atlas transfer of 100TB of data was initiated. This volume of data was pushed to the site over a period of 3 days and revealed unexpected bottlenecks and problems - of which raw network bandwidth was not one of them. The most notable issue was the timely calculation of the transferred file's checksums. These results have changed the site design to horizontally expand our xrootd infrastructure in response. This talk will detail the tests, our observations and conclusions, and the site's plans after taking the results into account.

Desired slot length

10-15

Speaker release

Yes

Presentation will be held...

remotely

Primary author: DOIDGE, Matthew Steven (Lancaster University (GB))

Co-authors: WALDER, James William (Science and Technology Facilities Council STFC (GB)); RAND, Duncan

Presenter: DOIDGE, Matthew Steven (Lancaster University (GB))

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