

XRootD in the UK: ECHO at RAL-LCG2 and developments at Tier-2 sites

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ECHO is the Ceph-backed erasure-coded object store, deployed at the Tier-1 facility RAL-LCG2. It's frontend access to data is provided via XRootD - using the XrdCeph plugin via the libradosstriper library of Ceph, with a current usable capacity in excess of 40PB.

This talk will cover the work and experiences of optimising for, and operating in, Run-3 of the LHC, and the developments towards future Data Challenges and needs of HL-LHC running.

In addition, a summary of the XRootD activities in the UK is presented, including the ongoing migrations of a number of Tier-2 sites from DPM to a CephFS+XRootD storage solution.

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