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## CernVM-FS - Beyond LHC Computing

*Monday, 14 October 2013 15:00 (45 minutes)*

In the last three years the CernVM Filesystem (CernVM-FS) has transformed the distribution of experiment software to WLCG grid sites. CernVM-FS removes the need for local installations jobs and performant network file servers at sites, in addition it often improves performance at the same time. Furthermore the use of CernVM-FS standardizes the computing environment across the grid and removes the need for software tagging at sites.

Now established and proven to work at scale, CernVM-FS is beginning to perform a similar role for non-LHC computing.

We discuss the deployment of a Stratum 0 'master' CernVM-FS repository at the RAL Tier 1 and the development of a network of Stratum 1 replicas somewhat modeled upon the infrastructure developed to support WLCG computing.

We include a case study of one small non-LHC virtual organisation, describing their use of the CernVM-FS Stratum 0 service. We examine the impact of using CernVM-FS upon their ability to utilize a wider range of resources across the UK GridPP network.

### Summary

**Primary author:** COLLIER, Ian Peter (STFC - Science & Technology Facilities Council (GB))

**Co-author:** CONDURACHE, Catalin (STFC - Science & Technology Facilities Council (GB))

**Presenter:** COLLIER, Ian Peter (STFC - Science & Technology Facilities Council (GB))

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