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CernVM-FS - Beyond LHC Computing

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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 software 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 non-LHC 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.

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