

Evaluation of the impact of various local data caching configurations at Tier2/Tier3 WLCG sites

Tuesday, June 9, 2020 10:45 AM (15 minutes)

In this talk we will describe various data caching scenarios and lessons learned. In particular we will talk about local data caches configuration, deployment, and tests. We are using xCache, which is a special type of Xrootd server setup to cache input data for a physics analysis. A relatively large Tier2 storage is used as a primary data source and several geographically distributed smaller WLCG sites configured specifically for this test. All sites are connected to the LHCONe network. The testbed configuration will be evaluated using both synthetic tests and a real ATLAS computational jobs submitted via the HammerCloud toolkit. The impact and realistic applicability of different local cache configurations will be presented, including both the network infrastructure and the configuration of computing nodes.

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