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EOS at the Fermilab LHC Physics Center

Monday 7 March 2022 16:25 (15 minutes)

Fermilab has been running an EOS instance since testing began in June 2012. By May 2013, before becoming production storage, there was 600TB allocated for EOS. Today, there is approximately 13PB of storage available in the EOS instance.

An update of our current experiences and challenges running an EOS instance for use by the Fermilab LHC Physics Center (LPC) computing cluster. The LPC cluster is a 4500-core user analysis cluster with 13 PB of EOS storage. This is an increase of about 71% over 2020. The LPC cluster supports several hundred active CMS users at any given time.

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