

The CERN Tape Archive (CTA) - running Tier 0 tape

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During the ongoing long shutdown, all elements in LHC data-taking have been upgraded. As the last step in the T0 data-taking chain, the CERN Tape Archive (CTA) has done its homework and redesigned its full architecture in order to match LHC Run 3 data rates.

This contribution will give an overview of the CTA service and how it has been deployed in production. We discuss the measures taken to assess and improve its performance and efficiency against various workflows, especially the latest data challenges realised on T0 tape endpoints. We illustrate the monitoring and alerting which is required to maintain performance and reliability during operations, and discuss the outlook for service evolution.

Desired slot length

Speaker release

Yes

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