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Recent evolutions in the LTDP CDF project

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For the latest years, the INFN-CNAF team has been working on the Long Term Data Preservation (LTDP) project for the CDF experiment, active at Fermilab from 1990 to 2011.

The main aims of the project are to protect data of the CDF RUN-2 (4 PB) collected between 2001 and 2011 and already stored on CNAF tapes and to ensure the availability and the access to the analysis facility to those data over time.

Lately, the CDF database, hosting information about CDF datasets such as their structure, file locations and metadata, has been imported from Fermilab to CNAF. The Sequential Access via Metadata (SAM) station data handling tool for CDF data management, that allows to manage data transfers and to retrieve information from the CDF database, has been properly installed and configured at CNAF. This is fundamental in a perspective of a complete decommissioning of CDF services on Fermilab side.

An access system as been designed and tested to submit CDF analysis jobs, using CDF software distributed via CVMFS and requesting delivery of CDF files stored on CNAF tapes.

Moreover, the availability and the correctness of all CDF data stored on CNAF tapes has been verified.

This paper presents all these recent evolutions in detail, as well as the future plans for the LTDP project at CNAF.

Consider for promotion

No

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