

GEMSS, the Grid Enabled Mass Storage System

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CNAF is the central computing facility of INFN. In particular it is the Italian Tier-1 for the experiments at LHC and the main Italian computing center also for several other experiments, notably including astro and space physics ones such as MAGIC, PAMELA, AMS, ARGO, AUGER and VIRGO. One of the most critical issues for a computing centre dealing with several PB of data is the management of the Mass Storage System (MSS). A MSS called GEMSS, based on the interaction between GPFS and TSM by IBM, has been developed at CNAF, and it is now in production since some years for all the experiments. In this talk we aim to show the excellent performance, stability and ease of management of GEMSS.

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