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The status of Fermilab Enstore Data Storage System

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Fermilab has developed and successively uses Enstore Data Storage System. It is a primary data store for the Run II Collider Experiments, as well as for the others. It provides data storage in robotic tape libraries according to requirements of the experiments. High fault tolerance and availability, as well as multilevel priority based request processing allows experiments to effectively store and access data stored in the Enstore, including storing raw data from data acquisition systems. The distributed structure and modularity of Enstore allow to scale the system and add more storage equipment as the requirements grow. Currently Fermilab Data Storage System storage system Enstore includes 5 robotic tape libraries, 96 tape drives of different type. Amount of data stored in the system is ~1.7 PetaBytes. Users access Enstore directly using a special command. They also can use ftp, grid ftp, SRM interfaces to dCache system, that uses Enstore as its lower layer storage.

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