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Enstore with Chimera namespace provider

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Enstore is a mass storage system developed by Fermilab that provides distributed access and management of the data stored on tapes. It uses namespace service, pnfs, developed by DESY to provide filesystem-like view of the stored data. Pnfs is a legacy product and is being replaced by a new implementation, called Chimera, which is also developed by DESY. Chimera namespace offers multiple advantages over the pnfs in terms of performance and functionality. Enstore client component, encp, has been modified to work with Chimera or any other namespace provider. We performed high load end-to-end acceptance test of Enstore with chimera namespace. This paper describes modifications to Enstore, test procedure and results of the acceptance testing.

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