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FTS3, large scale file transfer service with simplicity and performance at its best

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FTS3 is the service responsible for globally distributing the majority of the LHC data across the WLCG infrastructure. It is a file transfer scheduler which scales horizontally and it's easy to install and configure. In this talk we would like to bring the attention to the FTS3 features that could attract wider communities and administrators with several new friendly features. We will present both the new tools for the management of the FTS3 transfer parameters, for instance bandwidth-limits, max active transfers per endpoint and VO, banning users and endpoints, plus new Data Management operations (deletions and staging files from archive) easily accessed via REST-API. In addition we will also showcase the new captivating FTS3 Graphical Interface for end-users to manage their transfers (WebFTS) together with the new activities to extend the FTS3 transfers capabilities outside the grid boundaries (Dropbox, S3, etc.) In this manner we demonstrate that FTS3 can cover the needs from casual users to high load services.

Summary

The evolution of FTS3 is addressing the technical and performance requirements and challenges for LHC RUN2, moreover, its simplicity, generic design, web portal and REST interface makes it an ideal file transfer scheduler both inside and outside HEP

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