FTS3 - Data movement service for WLCG

Tuesday, 17 September 2013 16:00 (20 minutes)

Description of Work

We present the solution we proposed and the design of the new tools as well the reliability, stability, scalability and performance requirements of a data movement middle-ware in the grid environment. The service has already undergone extensive pre-production validation and we report the results of high volume production transfers performed on the pilot service.

Wider Impact of this Work

Anticipating the upcoming data movement needs of WLCG, and building on the lessons learned during the first run, we present a new, scalable and highly-optimized data movement service, which provides a simple interface for transfer job submission, status retrieval, advanced monitoring capabilities, multiple access and transfer protocols support and simplified configuration.

FTS3 aims to become the new data movement service for the WLCG infrastructure.

Session, double-session

session

Printable Summary

FTS is the service responsible for distributing the majority of LHC data across the WLCG infrastructure. From the experiences of the last decade supporting and monitoring FTS, reliability, robustness and high-performance data transfers has proved to be of high importance in the Data Management world. We are going to present the current status and features of the new File Transfer Service (FTS3), which address the problems that the previous FTS version face with: static channel model, configuration and scalability problems, new protocols support, more database back-ends support, etc.

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Session Classification: New developments in WLCG for Run2