



Contribution ID: 288

Type: Talk

Validation of Shoveler XRootD monitoring

Tuesday 22 October 2024 17:27 (18 minutes)

The Large Hadron Collider (LHC) experiments rely heavily on the XRootD software suite for data transfer and streaming across the Worldwide LHC Computing Grid (WLCG) both within sites (LAN) and across sites (WAN). While XRootD offers extensive monitoring data, there's no single, unified monitoring tool for all experiments. This becomes increasingly critical as network usage grows, and with the High-Luminosity LHC (HL-LHC) demanding even higher bandwidths.

The "Shoveler" system addresses this challenge by providing a platform to collect and visualize XRootD traffic data from all four LHC experiments, separated by type, direction and locality of the traffic. This contribution explores the Shoveler plus Collector architecture, its current deployment status at WLCG sites, and validates its collected information by comparing it with data from individual experiment monitoring frameworks.

Primary authors: FORTI, Alessandra (University of Manchester (GB)); GARRIDO BEAR, Borja (CERN); WEITZEL, Derek (University of Nebraska Lincoln (US)); ANDREEVA, Julia (CERN); ELLIS, Katy (Science and Technology Facilities Council STFC (GB))

Presenter: ELLIS, Katy (Science and Technology Facilities Council STFC (GB))

Session Classification: Parallel (Track 1)

Track Classification: Track 1 - Data and Metadata Organization, Management and Access