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Computing infrastructure for LHC data processing

Friday, March 16, 2018 9:20 AM (20 minutes)

Abstract:
The talk will outline core components of the CERN computing infrastructure and how these are used for storing, analyzing and distribution of LHC data. We will especially focus on domains such as: Agile Infrastructure (resource provisioning, centralized monitoring and configuration management), Storage (disk and tape) and LHC Grid. Details will be given about individual building blocks also used elsewhere (outside CERN) for Big Data, Data Mining and Data Analytic which are essential technologies for the transition to Industry 4.0.

About the speaker:
Vladimir Bahyl joined CERN Information Technology Department in 2001 to work as a service manager for the scientific computing batch farm. He later moved into the storage group, where he is now responsible for the CERN's data archive, the largest in the domain of High Energy Physics. He also closely collaborates with major tape technology vendors for beta-testing, commissioning and running their equipment at CERN.

Presenter: BAHYL, Vlado (CERN)

Session Classification: Big Data - Cloud computing