

## EOS Cross Tier Federation

*Tuesday 11 October 2016 16:30 (15 minutes)*

Within the WLCG project EOS is evaluated as a platform to demonstrate efficient deployment of geographically distributed storage. Aim of distributed storage deployments is to reduce the number of individual endpoints for LHC experiments (>100 today) and to minimize the required effort for small storage sites. The split of meta-data and data component in EOS allows to operate one regional high-available meta data service (MGM) and to deploy the easier to operate file storage component (FST) in geographically distributed sites. EOS has built-in support for geolocation-aware access scheduling, file placement policies and replication workflows.

This contribution will introduce the various concepts and discuss demonstrator deployments for several LHC experiments.

### **Primary Keyword (Mandatory)**

Storage systems

### **Secondary Keyword (Optional)**

Distributed data handling

### **Tertiary Keyword (Optional)**

**Primary authors:** PETERS, Andreas Joachim (CERN); ADDE, Geoffray Michel (CERN)

**Session Classification:** Posters A / Break

**Track Classification:** Track 4: Data Handling