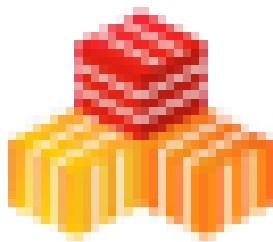


EOS workshop



Contribution ID: 12

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EOS deployment at GRIF

Tuesday 8 March 2022 09:15 (20 minutes)

In this communication, we are going to present the deployment project of the EOS storage software solution at the GRIF site. GRIF is a distributed site made of four (4) different subsites, in different locations of the Paris region. The worst network latency between the subsites is within 2-4 msec with 3 of them connected with a 100G connection. The objective is to consolidate the four (4) currently independent DPM instances into (a new) one EOS instance. The EOS capabilities such as the service structure (simple roles based on xrootd), the failover mechanism, the redundancy of metadata nodes, and the backend key/store database (quarkdb)) ensure with a straightforward installation and configuration the high availability requirements for the geographically distributed environment of GRIF. We are going to discuss the future EOS service structure and capacities at GRIF and present a summary of the organization of the EOS filesystems over legacy raid6 storage devices on heterogeneous hardware.

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