

Operation of the Portuguese Tier2 (Storage Element component)

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The Portuguese LCG federated Tier-2 supports the ATLAS and CMS experiments and is composed of three sites. Two of these sites (Lisbon and Coimbra) are already in production and the third one is currently being setup (LNEC/FCCN).

We will describe briefly the Tier2 and then concentrate on the Storage Element component. In the middle of 2008, it was decided to use the Storm SRM with SUN's Lustre has backend filesystem.

The report will focus on the operational issues and proceed with the monitoring, and performance of the system as part of the ATLAS and CMS experiments.

The integration of the Lustre specific sensors in the Nagios monitoring framework, as well as Ganglia metrics will be also described.

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