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Portable Monitoring for Castor2

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We present our design, development and deployment of a portable monitoring system for the CERN Archival and Storage System (Castor) based on its existing internal database infrastructure and deployment architecture.

This new monitoring architecture is seen as an important requirement for future development and support. Castor is now deployed at several sites which use different monitoring systems to the LHC Era Monitoring (Lemon) system used at CERN. This includes sites with significant computing resources in the United Kingdom and Italy. Providing a portable monitoring system is seen as desirable as this will reduce development overhead and provide a common framework for understanding the state of the systems and resolving operational tasks.

We present an overview of the reasoning behind this project and its aims; a discussion on the various aspects of the system which have previously been monitored and how moving to this new system improves on this; and discuss development trade-offs and our future plans.

Summary

CASTOR, Quattor, monitoring, operations management

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