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Monitoring the Atlas Distributed Data Management System

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The ATLAS Distributed Data Management (DDM) system is evolving to provide a production-quality service for data distribution and data management support for production and users' analysis.

Monitoring the different components in the system has emerged as one of the key issues to achieve this goal. Its distributed nature over different grid infrastructures (EGEE, OSG and NDGF) with infrastructure-specific data management components makes the task particularly challenging. Providing simple views over the status of the DDM components and data to users and site administrators is essential to effectively operate the system under realistic conditions.

In this paper we present the design of the DDM monitor system, the information flow, data aggregation. We discuss the available usage, the interactive functionality for end-users and the alarm system.

Submitted on behalf of Collaboration (ex, BaBar, ATLAS)

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