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ATLAS job monitoring in the Dashboard Framework

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Monitoring of the large-scale data processing of the ATLAS experiment includes monitoring of production and user analysis jobs.

Experiment Dashboard provides a common job monitoring solution, which is shared by ATLAS and CMS experiments. This includes an accounting portal as well as real-time monitoring.

Dashboard job monitoring for ATLAS combines information from the Panda job processing DB, Production system DB and monitoring information from jobs submitted through Ganga to WMS or local batch systems. Usage of Dashboard-based job monitoring applications will decrease load on the PanDA DB and overcome scale limitations in PanDA monitoring caused by the short job rotation cycle in the PanDA DB. Aggregation of the task/job metrics from different sources will provide complete view of job processing in scope of ATLAS. The presentation will describe the architecture, functionality and the future plans of the new monitoring applications, including the accounting portal and task monitoring for production and analysis users.

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