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Grid Monitoring from the VO/User perspective. Dashboard for the LHC experiments.

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The goal of the Grid is to provide a coherent access to distributed computing resources. All LHC experiments are using several Grid infrastructures and a variety of the middleware flavors. Due to the complexity and heterogeneity of a distributed system the monitoring represents a challenging task. Independently of the underlying platform, the experiments need to have a complete and uniform picture of their activities on the Grid ideally seen by the users as a single powerful computing resource. Overall operation of the infrastructure used by experiments is defined both by the quality of the Grid and the quality of the tools and services developed/used by the experiments. Correspondingly the required monitoring information should combine both Grid-related and experiment/application specific data. On the other hand, users of the LHC experiments have various roles and need different levels of details regarding monitoring data.

The paper will focus on the Grid monitoring from the experiment/user perspectives with a closer look to the Experiment Dashboard system and its current status.

Experiment Dashboard is currently in use by all four LHC experiments. It provides both Grid-related and Experiment-specific monitoring information and works across several middleware platforms (LCG, Glite, OSG).

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