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GROSS: an end user tool for carrying out batch analysis of CMS data on the LCG-2 Grid.

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GROSS (GRidified Orca Submission System) has been developed to provide CMS end users with a single interface for running batch analysis tasks over the LCG-2 Grid. The main purpose of the tool is to carry out job splitting, preparation, submission, monitoring and archiving in a transparent way which is simple to use for the end user. Central to its design has been the requirement for allowing multi-user analyses, and to accomplish this all persistent information is stored on a backend MySQL database. This database is additionally shared with BOSS, to which GROSS interfaces in order to provide job submission and real time monitoring capability.

In this paper we present an overview of GROSS's architecture and functionality and report on first user tests of the system using CMS Data Challenge 2004 data (DC04).

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