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## Monitoring the user/application activities on the grid

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The monitoring of the grid user activity and application performance is extremely useful to plan resource usage strategies particularly in cases of complex applications. Large VO's, like the LHC ones, do their monitoring by means of dashboards. Other VO's or communities, like for example the BioinforGRID one, are characterized by a greater diversification of the application types: so the effort to provide a dashboard like monitor is particularly heavy.

We present in this paper the improvements introduced in GridICE, a general grid monitoring tool, to provide reports on the resources usage with the details of the VOMS groups, roles and users. By accessing the GridICE Web pages, the grid user can get all information that is relevant to keep track of his activity on the grid.

In the same way, the activity of a VOMS group can be distinguished from the activity of the entire VO.

In this paper we briefly talk about the features and advantages of this approach and, after discussing the requirements, we describe the software solutions, middleware and prerequisite to manage and retrieve the user's credentials.

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