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Next Steps in the Evolution of GridICE: a Monitoring Tool for Grid Systems

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GridICE is an open source distributed monitoring tool for Grid systems that is integrated in the gLite middleware and provides continuous monitoring of the EGEE infrastructure. The main goals of GridICE are: to provide both summary and detailed view of the status and availability of Grid resource, to highlight a number of pre-defined fault situations and to present usage information. In this paper, we briefly summarize the core ideas and design choices behind this tool. In particular, we describe the 3-layer data distribution architecture composed by intra-site and inter-site collection plus the end-user presentation; furthermore we list the number of supported measurements. After this introduction, we discuss the main focus of the paper, that is the description of the next steps in the GridICE development as driven by user requirements. The purpose is to disseminate our evolution strategy in order to solicit for a community feedback.

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