Contribution ID: **52** Type: **Demonstration**

Globus Accounting using Grid-SAFE

Wednesday, 19 September 2012 12:15 (15 minutes)

Description of the work

Grid-SAFE allows usage data from geographically distributed Globus GRAM5 computational sites to be stored, monitored and forwarded to centralised accounting resources. The aim of the session is to present a conceptual and practical overview of the capabilities of Grid-SAFE, from initial deployment to use in a Globus GRAM5 grid environment for resource operators.

Agenda:
1. Introduction to Grid-SAFE (~10 minutes): this will present an overview of Grid-SAFE itself, including its architecture and capabilities, as well as work achieved within IGE towards improvement, it's current technical and release status within IGE, and future plans and directions for the software.

1. Deployment and configuration of Grid-SAFE on a Globus GRAM5 grid (~10 minutes): Grid-SAFE is designed to have a straightforward process of installation. This demonstration will show the deployment of Grid-SAFE from initial installation to configuration as an accounting portal within a site context, as well as configuring it as a contributor to EGI centralised accounting resources.
2. Using Grid-SAFE to monitor grid job usage (~10 minutes): this will demonstrate the practical use of Grid-SAFE's functions to monitor job usage.

Wider impact of this work

IGE has built on the developments of Grid-SAFE by improving it as a rapidly deployable accounting solution tailored to Globus, enabling such Globus-oriented resources to conveniently contribute accounting usage data to the wider EGI accounting ecosystem. IGE is continuing to achieve this by:

- Greatly improving its ease of installation via IGE packaging
- Increasing its effectiveness as a monitor of Globus GRAM5 resources
- Progressing it as an external accounting client to centralised EGI accounting infrastructure

Printable Summary

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1. Introduction to Grid-SAFE (~10 minutes)
2. Deployment and configuration of Grid-SAFE on a Globus GRAM5 grid (~10 minutes)
3. Using Grid-SAFE to monitor grid job usage (~10 minutes)

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Track Classification: EGI Operations (Tiziana Ferrari: track leader)