Contribution ID: **23** Type: **Presentation**

perfSONAR MDM for the European grid and beyond: status and news.

Tuesday, 18 September 2012 16:00 (30 minutes)

Wider impact of this work

This presentation focuses on the monitoring infrastructures and activities that would affect the grid community: support to service availability, help to evaluate transfer cost, reliability assessment

Printable Summary

Grid computing in a geographically distributed environment is based on efficient, reliable networking.
The grid initiatives EGI supports and coordinates span multiple network domains, requiring then a monitoring system which is able to cross network borders.

perfSONAR MDM is an ideal netowrk monitoring solution since it would allow a seamless coverage over multiple domains, is able to deal with different infrastructures and has a flexible and intuitive UI.

PerfSONAR MDM is currently used in 15 NRENs in Europe and an a liaison activity is currently ongoing talking to grid initiatives in Latin America (GISELA) and research projects worldwide.

Description of the work

perfSONAR MDM (Multi-Domain-Monitoring) is the multi-domain monitoring service for the GÉANT Service Area (GSA). It enables NREN NOCs and PERTs to collaborate in providing seamless network performance, working together to identify, prevent and solve performance issues for network users.

perfSONAR MDM provides easy, transparent end-to-end monitoring, giving its users - primarily NOC and PERT engineers - access to network measurement data from multiple network domains. Monitoring data is collated from all those domains where the perfSONAR service is deployed, in order to visualise network characteristics, present the information in a standardised format and enable troubleshooting of related issues.

Link for further information

perfsonar.geant.net

Primary author: VICINANZA, Domenico (DANTE)

Presenter: VICINANZA, Domenico (DANTE)

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