

D-MON

Wednesday, September 19, 2012 2:30 PM (20 minutes)

Description of the work

E-Infrastructure provided by EGI offers European scientific communities state of the art ICT services that are indispensable for success of their work. The e-Infrastructure is a highly complex and sophisticated system thus, to optimise utilisation of available resources and services, user communities require access to precise, mission-specific information. Such information may comprise a list of services accessible to the respective community, forecasted availability of these services, detailed account on work progress of community users, amount of storage, computing and other resources available to the community. This information is available from multiple sources, such as monitoring, information systems, user management and accounting services. Each individual system holds a subset of the required data that often is not valuable in its raw form. For example, monitoring tools like Nagios collect resource and service availability information – however Nagios can not provide a user with a status summary about services he or she are authorised to access.

To address this challenge we developed a framework called D-MON. D-MON integrates existing information providers and applies filtering and data mining algorithms to generate mission-specific infrastructure reports and views. D-MON focuses on satisfying requirements of e-Infrastructure stakeholders, such as academic users, infrastructure operators, and project coordinators, by providing required information while filtering out unnecessary details. D-MON avoids duplicating functionality implemented in existing information services and provides an added value by federating existing information providers and utilising information available in a e-Infrastructure.

In the presentation a live demonstration of D-MON will be given.

Wider impact of this work

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Printable Summary

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