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Development plans of the EGEE Operations Portal and dashboard towards and EGI/NGI infrastructure

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The operations portal of EGEE is undergoing a tremendous back-end evolution to wrap-up the 5 years experience gained on daily grid operational needs about procedures and tools developed for and made available to the different EGEE communities.This evolution is crucial to meet the changes to cope with the EGI structural needs and with the NGIs requirements for the regionalisation of the tools where applicable.

Detailed analysis

The first phase of the restructuration of the Operations Portal has been completed with the release of the restructured regional operations dashboard: the gridops regional dashboard. It consists in a regional package including the Lavoisier module and a php web portal which allows high flexibility in the customisation. Also, support of an open source relational database management system fits the requirements of most regions who wish to deal with a standalone implementation of the tool.

Based on this first phase, the back-end restructuration enables a consistent evolution for the EGEE Operations Portal features that are considered as key for the EGI/NGIs infrastructure towards customization and regionalisation when relevant.

Conclusions and Future Work

Future plans of the portal developments for the post-EGEE era include how we collaborate with all major existing partners such as GOCDB. Such collaboration has already been set-up to provide a seamless access to the users regarding the sites'and the VOs'information. The next phase of the Operations Portal restructuration work will also deal with the migration and re-engineering of the other existing features of the operations portal recognized as key for EGEE and EGI operations.

Impact

The restructuration enables us to go on providing an up-to date, flexible and scalable integration platform that is now easier to maintain. Also, it is easier to implement the dedicated changes in order to cope with the needs of the new EGI structure and the new needs of the operational entities of the NGIs community in May 2010.

The operations model in EGEE has been relying on a sustainable and largely decentralized model for over 6 months now. Indeed, the regionalization implies a model that must allow for procedures and tools customization by the regions and at the same time must allow for coherence with the central layer, in order to provide consistent overview, reports and metrics at the EGI level.

Another key evolution for the challenge in the regionalisation relies on the scalability and the flexibility required regarding information source types and information handling. The normalised way to add a new source of data is to use Lavoisier, a standard-based information handling of heterogeneous sources, and the Web Interface will help the community to improve their own tool to cope with the evolution towards the structure of EGI/NGIs.

Keywords

EGEE operations portal; gridops operations dashboard

URL for further information

http://cic.gridops.org/

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