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Enabling Grids for E-sciencE

Contribution ID: **251**   Type: **Oral contribution**

Uniform access to the Grid - Migrating Desktop Platform

Wednesday 24 September 2008 16:40 (20 minutes)

The Migrating Desktop Platform is an advanced graphical user interface to grid resources that could be useful for grid application developers, by speeding up the application integration process as well as for grid users, hiding the complexity of the grid middleware(also gLite). The Migrating Desktop Platform is a uniform environment for grid application that enhances gLite with user-friendly access to services covering the whole application lifecycle from job defining, launching, monitoring until visualization of job results. The product front-end is an advanced graphical user interface similar to a window-based operating system that hides the complexity of the grid middleware and makes access to the grid resources easy and transparent. Main product features include: straightforward integration procedures with grid applications, easy job defining, submission, monitoring and visualization of results, support for batch and interactive jobs, handling of sequential and parallel applications, intuitive management of grid data

Migrating Desktop was created in the EU CrossGrid Project (http://www.crossgrid.org/) and deployed in EU BalticGrid I and II projects (http://www.balticgrid.org/) ,developed and deployed in EU Interactive European Grid Project (http://www.interactive-grid.eu/), where functionality for handling interactive grid applications was implemented. Currently it is being extended and deployed in FP7 EUFORIA project where it is being integrated with Kepler scientific workflow system, that will handle in the same time Grid resources and infrastructure (gLite, int.eu.grid, globus) and HPC (Unicore), that makes MD an interoperational product.

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Session Classification: User Interaction and Workflows