Contribution ID: **154**   Type: **Demonstration**

A framework for rapid prototyping e-Science experiments

Please indicate your preferred day to give a demo.

preferably on Monday or Tuesday

Project(s) or EGEE activity presenting the demo or poster (project or activity names only)

Virtual Laboratory for e-Science

Special requirements other than the set up mentioned in the CfA text.

no we do need special requirement, an Internet connection is enough

Abstract

Grid Technology brings the power of many computers and storage systems geographically distributed to scientists. However, the development of Grid-enabled applications requires knowledge about Grid infrastructure and low-level API to Grid services. The demo will show a high-level environment for rapid prototyping of e-Science experiments which fills the gap between the required complex infrastructure and the various scientific domains. A set of tools are composing this framework, and together they provide full support for the design and execution of scientific experiment over a complex and distributed infrastructure. The tools can be divided in two categories, one for assisting the development and the design of complex experiment and one for executing and enacting these experiments on a fairly heterogeneous and dynamic infrastructure. Applications from the bio-informatics and medical domain will be used to present the core features of the proposed environment.

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