



Contribution ID: 76

Type: **Demonstration**

Interoperable Eclipse Plugins for Grid Application Development

The development of applications capable of working with services provided by different grid middleware stacks is still a major challenge. Tackling this challenge now became important, especially with the advent of the unified middleware distribution of EGI. We are to see in the near future services such as resource management supporting interfaces from gLite, Globus Toolkit etc. (e.g. CREAM, GRAM5). End-user communities traditionally affiliated to one of the middleware will get in touch with services they were not familiar with. This stands for grid application providers as well. We have developed a set of components that implement both low-level and high-level operations with grid services such as resource management or file transfer. The components are designed as Eclipse plugins and implement concepts related to simulation scenarios. Examples of high-level operations are: JSDL-based submission of computing scenarios, remote exploration of simulation data, and search of simulation results in grid. Here, we will give examples of how to build grid applications based on our plugins and we will demonstrate how such high-level operations work on gLite and Globus Toolkit 5 deployments.

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Required Facilities

projector and internet connection is an advantage

Duration (90min sessions)

30 min

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