



Contribution ID: 35

Type: **Workshop**

MPI Hands On Training

Thursday, 14 April 2011 11:00 (1h 30m)

Overview

Execution of MPI applications is common in several scientific disciplines. MPI-Start offers a unique and stable interface to execute parallel applications abstracting the users from the complexity of the heterogeneous systems that compose a Grid infrastructure. This presentation introduces the basic concepts of MPI. These concepts are applied to a Grid environment with the help of MPI-Start. A detailed description of MPI-Start and how to use it is given.

Impact

Users participating in this workshop will be able to describe and submit MPI jobs using gLite and MPI-Start. The extensions mechanisms of MPI-Start and how to use it for compiling applications and do input/output processing will be also covered.

Description of the work

EGI SA3 Training Event for MPI users (1h30min).

This workshop provides users with the needed notions for executing parallel jobs in gLite resources with MPI-Start. Topics covered will include:

- * description and submission of parallel jobs
- * basic use of MPI-Start
- * extension mechanisms of MPI-Start

Users are supposed to have a certificate and allowed for execution in some resources.

Conclusions

The MPI training event offers an introduction and hands-on session for using MPI-Start. An detailed description of the tool and how to use it will be given.

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Session Classification: Tutorials: Users & Developers

Track Classification: Other