Contribution ID: **82** Type: **not specified**

Discover OpenMoLE: a scalable high level abstraction of massively distributed environments for the end-users and the web portals

Wednesday, 18 September 2013 11:00 (1h 30m)

Description of Work

The presentation format we propose would be a practical session during which the audience will use OpenMoLE to design grid and cluster enabled applications. A slot from 90 to 120 minutes for 10 to 20 persons is envisaged.

URL for further information

www.openmole.org

Wider Impact of this Work

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Session, double-session

90 - 120 min

Printable Summary

OpenMoLE (www.openmole.org) is a platform which eases the development of massively parallel applications at a cluster, a grid or a cloud scale. It provides a reliable and high-level abstraction of execution environments to the end users and to the web portals. Indeed, the platform deals with software installations, file transfers, job failures, and renders the distributed execution entirely transparent. In this training session we propose to teach how to design OpenMoLE workflows. Attendees will learn how to:
- embed an external application in OpenMOLE,
- design large scale OpenMoLE workflows generating several hundred of thousand of jobs,
- gather / aggregate / store produced data,
- delegate the computing load to EGI / DIRAC / clusters / ad-hoc desktop-grids..

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