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Type: **Poster**

A Prioritisation Policy for the Interoperation of Service Grids and Opportunistic Grids

Please indicate your preferred day to give a demo.

September 23rd

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

EELA-2

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

None.

Abstract

With the emergence of many production grid infrastructures, sustainable operation of these infrastructures has become now the main issue to be addressed. As a grid is a shared and cooperatively operated infrastructure, it is natural that different grids are now seeking to interoperate, not only to increase their capacity, but also to make their operation more cost-effective. In the EELA-2 project we have been working on how to interoperate a service grid based on the gLite middleware with an opportunistic grid based on the OurGrid middleware. Before defining how interoperation should be implemented, we have first studied why these two types of grids should interoperate. Our results show that interoperation only makes sense if suitable prioritisation policies are in place. We have leveraged on the built-in incentive mechanism of OurGrid to implement such prioritisation leading to the successful integration of the service part and the opportunistic part of the EELA-2 grid infrastructure.

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