

## **The Open Science Grid/TeraGrid Gateway**

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The FermiGrid Services Group has extended the techniques previously developed for the FermiGrid Site Gateway(1) to construct a transparent gateway from the Open Science Grid (OSG) to the TeraGrid.

The OSG-TeraGrid gateway provides a standard OSG Compute Element (CE) interface for OSG users, receives inbound Grid jobs, and then forwards these Grid jobs onto sites in the TeraGrid that have available resources.

A demonstration project has been active between Fermilab and NCSA Abe and Mercury clusters for the last year. Current development work is under way to use the native TeraGrid information systems to get information on the list of available resources and transparently route jobs to the best available resource based on user-specified criteria.

(1) see FermiGrid site Gateway abstract, this conference

