

Title:

OGSA-DAI

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Abstract:

This session will give a brief overview of the importance of distributed data management and shows how the OGSA-DAI product, developed at the University of Edinburgh, can be used to facilitate the management of distributed data.

OGSA-DAI provides a simple way of wrapping data resources, such as databases and files, with a web service interface which consume workflows. These workflows provide a means of encapsulating multiple client-service interactions into a single one, move computation close to the data and reduce the amount of data movement necessary to achieve a given end. The out-of-the-box base functionality provided by OGSA-DAI enables powerful access and integration scenarios to be constructed. OGSA-DAI is modular, customisable and extensible and can meet the data access and integration requirements of many projects.

This session will provide an overview of how OGSA-DAI works, demonstrate how it has been used by a number of projects and show how clients may be written to access OGSA-DAI servers. By the end of this session attendees should have a basic understanding of what OGSA-DAI is, how it works and how clients may be written to access its servers.