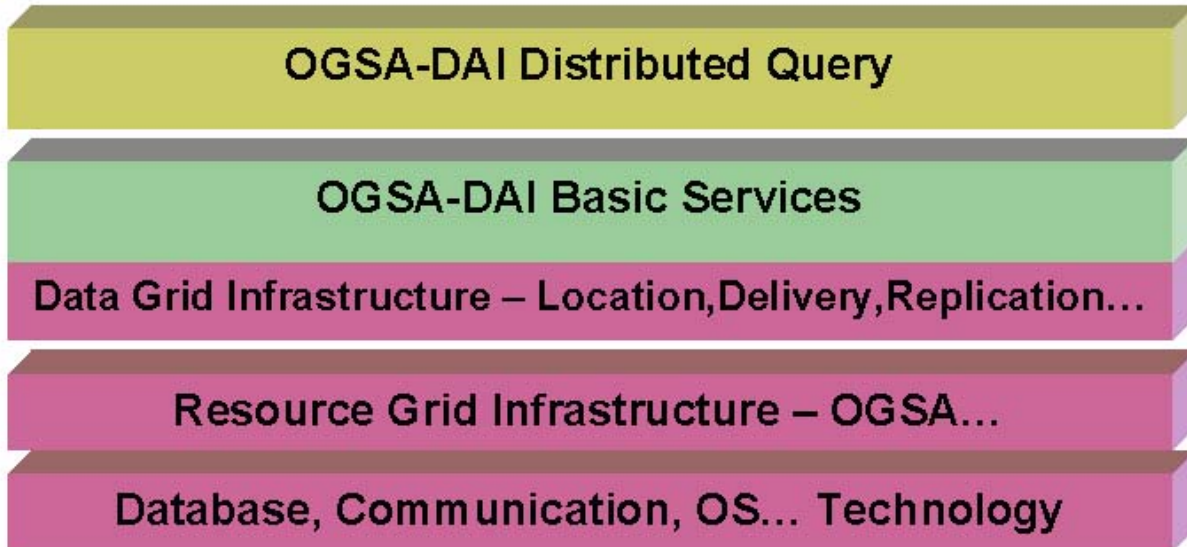


# OGSA-DAI

Open Grid Services Architecture -- Data Access & Integration

<http://www.ogsadai.org.uk>

## Project Goal



OGSA-DAI (Open Grid Services Architecture – Data Access and Integration) aims to provide an extension to the Open Grid Services Architecture (OGSA) to allow data resources, such as databases and data sources, to be incorporated within an OGSA framework.

OGSA-DAI interfaces wrap data sources to allow higher level services to access, control and integrate disparate, heterogeneous data resources as though they were a single, logical data resource.

The OGSA-DAI components that implement these interfaces may be used as primitives to provide sophisticated higher-level services offering data federation and distributed query processing capabilities within a Virtual Organisation.

OGSA-DAI is working with the Global Grid Forum (GGF) Database Access and Integration Services Working Group,

(DAIS-WG) – authors of the Grid Database Service Specification – to both inform the standards development process and to provide a reference implementation of the final recommendation.

OGSA-DAI seeks to contribute to a future in which scientists will move away from technical issues such as data location, structure, transfer and integration, and instead focus on application-specific data analysis, processing and knowledge discovery.

## OGSA-DAI Services

OGSA-DAI can be logically considered as a number of co-operating Grid services.

These Grid services act as proxies for the systems that actually hold the data – that is, relational databases (for example

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## OGSA-DAI Services

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MySQL) and XML databases (for example Xindice). Clients requiring data held within such databases access the data via the OGSA-DAI Grid services. The Grid Data Service uses a plug-in activity framework, enabling it to be easily extended by developers.

## OGSA-DAI Release 3.0

Release 3.0 of the OGSA-DAI software was shipped on 31st July 2003. It is built on the Globus Toolkit 3.0. This release, previous releases, and further information (including documentation and tutorials) on OGSA-DAI can be downloaded from the project website.

## Collaborators:

EPCC  
E-Science North West Centre  
IBM UK  
IBM USA  
National e-Science Centre  
North East Regional e-Science Centre  
Oracle UK

## Further Information

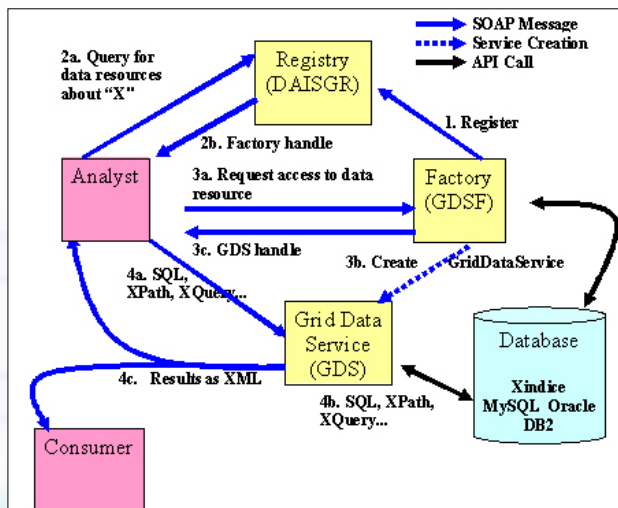
Open Grid Services Architecture:  
<http://www.gridforum.org/ogsa-wg>

Global Grid Forum: <http://www.gridforum.org>

Grid Database Service Specification:  
<http://www.cs.man.ac.uk/grid-db/papers/draft-ggf-dais-gdss-ggf8.pdf>

Database Access and Integration Services Working Group:  
[http://www.gridforum.org/6\\_DATA/dais.htm](http://www.gridforum.org/6_DATA/dais.htm)

OGSA-DAI: <http://www.ogsadai.org.uk>



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