

# MS.NETGrid

e-Science, the Grid and Microsoft .NET

[www.epcc.ed.ac.uk/~ogsanet/](http://www.epcc.ed.ac.uk/~ogsanet/)

## Overview

With the advent of the Open Grid Services Architecture (OGSA) and its underlying infrastructure – the Open Grid Services Infrastructure (OGSI)– there is an increasing interest within Grid communities worldwide in Microsoft .NET Web Services technologies and their applicability to Grid services.

This collaboration between Microsoft Research Limited and NeSC (represented in this project by EPCC) aims to exploit this interest by:

1) Developing an implementation of OGSI using .NET technologies.

2) Developing a suite of Grid Service demonstrators – including OGSA-DAI demonstrators – that can be deployed under this OGSI implementation.

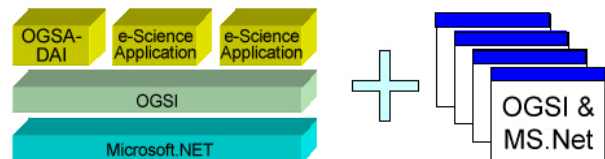
[www.ogsadai.org.uk](http://www.ogsadai.org.uk)

3) Developing training courses and materials to educate and inform the UK e-Science community about .NET and its applicability to Grid applications.

4) Delivering training courses to delegates from the UK e-Science community.

5) The goal of our project is to provide a practical demonstration to the UK e-Science community of the applicability of Microsoft .NET technologies to the hosting, development and deployment of Grid Services.

A complementary goal is facilitating understanding of the Grid and e-Science within Microsoft.



## The MS.NETGrid Project

Our project – which started in March 2003 – has a duration of 12 months and will make its deliverables freely available to encourage further use of Microsoft .NET within the UK e-Science programme.

In addition, to facilitate the development of an OGSI .NET community, we are fostering close links with both Globus and the Grid Computing Group at the University of Virginia who are also developing OGSI implementations on .NET.

[www.globus.org](http://www.globus.org)

[www.cs.virginia.edu/~humphrey/](http://www.cs.virginia.edu/~humphrey/)

[GCG/ogsi.net.html](http://GCG/ogsi.net.html)

## Project Members

PI: Dr Mike Jackson

## Collaborating Organisations

EPCC

Microsoft Research Ltd.

National e-Science Centre

## Training in OGSi and Microsoft .NET

Our first “OGSi and Microsoft .NET” training course will be held at the National e-Science Centre in Edinburgh on September the 9th and 10th 2003. Further courses will be held in November 2003, January 2004 and February 2004. Information on the courses is available via the NeSC WWW site:

[www.nesc.ac.uk](http://www.nesc.ac.uk)

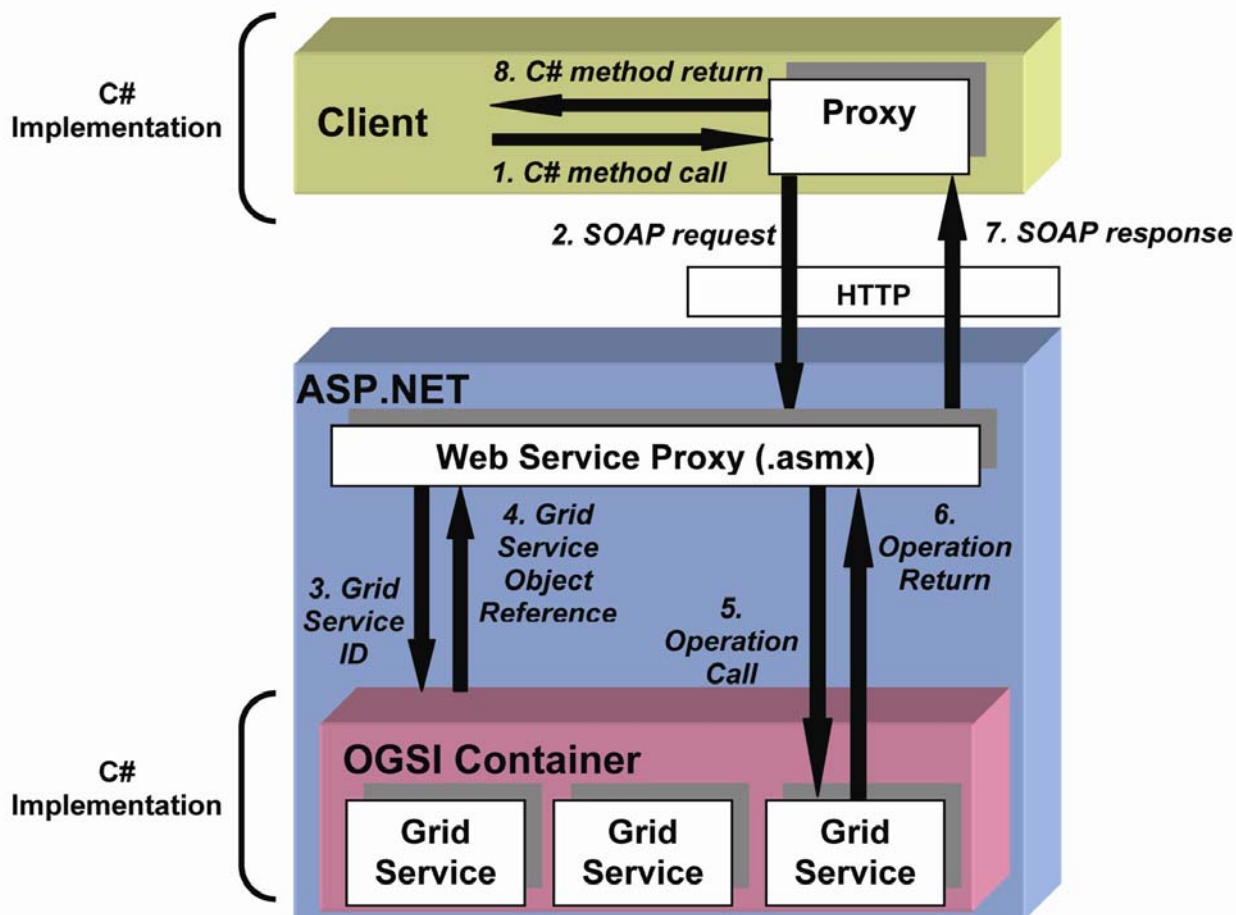


Figure shows how OGSi fits on Microsoft.NET

### Further Information

Further information on MS.NET Grid can be found on the website:

[http://www.nesc.ac.uk/action/projects/project\\_action.cfm?title=145](http://www.nesc.ac.uk/action/projects/project_action.cfm?title=145)

More information on both OGSA and OGSi can be found on the Globus website at:

[www.gridforum.org/ogsa-wg](http://www.gridforum.org/ogsa-wg)  
[www.gridforum.org/ogsi-wg](http://www.gridforum.org/ogsi-wg)

The other major collaborating partner is Microsoft. You can visit their website at:

[www.microsoft.com/net](http://www.microsoft.com/net)