Charter for OGSA-WG
Date 2006-05-31

Group Abbreviation:
ogsa-wg
Group Name:
Open Grid Services Architecture WG
Area:
Architecture

Group Leadership:

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Group Summary:
The Global Grid Forum (GGF) has embraced the Open Grid Services Architecture as the blueprint for standards-based grid computing. "Open" refers to the process used to develop standards that achieve interoperability. "Grid" is concerned with the integration, virtualization, and management of services and resources in a distrib , heterogeneous environment. It is "service-oriented" because it delivers functionality as loosely coupled, interacting services aligned with i try-accepted Web service standards. The "architecture" defines the components, their organizations and interactions, and the design philosophy used.

Charter Focus / Purpose and Scope:
OGSA-WG manages an architectural process of OGS ndards by working to collect requirements, evaluate the maturity of specifications, and produce periodic updates to OGSA informational do ts and OGSA recommendation profiles.

The scope of the proposed working group is to produce the following documents. All documents are Informational except for OGSA Profiles, which are Recommendations.

* Architecture document and Glossary: The Architecture document identifies the framework, taxonomy, and functionality that should be provided to address use case requirements. The Glossary provides an unambiguous definition of terms used in the Architecture document.

* Service Description documents and Scenario documents: Service Description documents describe each OGSA service in natural language, listing the interfaces and operations defined by each service. Scenario documents demonstrate how these services can implement the use cases, using a combination of natural language and UML. Fellow-WGs may also develop such documents.

* OGSA Roadmap document: The Roadmap document expresses OGSA-WG views on the likely future evolution of OGSA to address unmet requirements and/or respond to technology evolution.

* Guideline documents: Guideline documents outline how to write specific OGSA normative documents. Examples of guideline documents include the OGSA Profile Definition document and the Grid Information/Data Model Guidelines document.

* OGSA Profiles: An OGSA Profile specifies requirements on referenced specifications and other profiles to improve interoperability. A Profile has "conformance statements" and "extension points" as specified in the OGSA Profile Definition document.

The OGSA-WG will ensure consistency among OGSA informational documents, OGSA Profiles, and related specifications which are produced by fellow-WGs.

Exit Strategy:
When all planned deliverable documents have bee duced, the WG will consult internally and choose its next target based on the WG's priority and any requests from the community.

Goals / Deliverables:

Title: OGSA Architecture v1.5
Abstract:
The document specifies requirements, the scope of important capabilities and services required to support Grid systems and applications in both e-science and e-business, identifies a core set of such services that are viewed as essential for many systems and applications, and specifies at a high-level the functionalities required for these core services and the interrelationships among those core services.

Type: Informational Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2005-08	Yes	2005-11
Public Comment	2006-02	Yes	2006-03
Published	2006-07		0000-00

Title: OGSA Glossary v1.5
Abstract:
The purpose of this Glossary is to provide an unambiguous definition of such terms as they are used in the context of an OGSA Grid. It is intended to be read in conjunction with the OGSA document, and does not by itself provide background information about Grids, nor attempt to justify the definitions or the context in which they may be used.

Type: Informational Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2005-08	Yes	2005-12
Public Comment	2006-02	Yes	2006-03
Published	2006-07		0000-00

Title: OGSA Information/Monitoring A cture (obsolete)
Abstract:

The purpose of this document is to describe an overall architecture for publishing and consuming information for the purpose of monitoring and discovery of Grid resources, as well as for higher functionality such as accounting. It will identify the necessary components and describe their relationship and the exposed interfaces.

Type: Informational Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2006-01		0000-00
Public Comment	2006-03		0000-00
Published	2006-05		0000-00

Title: OGSA WSRF Basic Profile v1.0

Abstract:

The Profile is intended for use when implementing services that are concerned with distributed resource management, grid computing, or for other purposes that involve the modeling and management of stateful entities. These services frequently can benefit from the use of interfaces and behaviors defined in the WS-Addressing, WS-Resource Framework, and WS-Notification families of specifications.

Type: Recommendation Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2005-05	Yes	2005-05
Public Comment	2005-09	Yes	2005-09
Published	2006-06		0000-00

Title: OGSA Basic Security Profile 1.0 – Core

Abstract:

This profile covers WS-Addressing and defines a standard way to bind a key information to an endpoint reference. It defines a core security profile which is considered to be common to all OGSA services to ensure security in an inherently unsafe environment such as the Internet.

Type: Recommendation Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2005-09	Yes	2005-09
Public Comment	2005-11	Yes	2006-02
Publication	2006-07		

Title: OGSA Basic Security Profile 1.0 – Secure Channel

Abstract:

This profile covers WS-I Basic Security Profile 1.0 and its associated specifications. The requirements are concerned with security mechanisms for communications to ensure mutual authentication, integrity and confidentiality. The profile prescribes the use of these mechanisms to ensure secure communication of OGSA services in an inherently unsafe environment such as the Internet.

Type: Recommendation Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2005-09	Yes	2005-09
Public Comment	2005-11	Yes	2006-02
Publication	2006-07		

Title: Defining the Grid: A Roadmap for OGSA Standards 1.1

Abstract:

This document provides a snapshot of the evolving OGSA space and an explanation of the direction. It explaines what is OGSA, who defines it, what will be defined when, and who is contributing to its development.

Type: Informational Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2006-09		
Public Comment	2006-11		
Publication	2007-01		

Title: Guidelines for Information Modeling for OGSA Entities 1.0

Abstract:

This document explains the process used to create information models for OGSA entities. This process is based on methodologies used with the CIM developped by the DMTF, and consists of selecting, re-using and extending a small subset of CIM to develop information models. It also gives guidelines on how to express information models in OGSA specifications.

Type: Informational Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2006-01	Yes	2006-01
Public Comment	2000-07		
Publication	2006-10		

Title: EMS container information model profile 1.0

Abstract:

The EMS Container Model describes the managed objects and their relationships for defining the execution environment for activities in a grid. The CIMv2.10 final schema is the foundation for the development of this model. It is expected that this model will be folded into CIMv2.12 preliminary.

Type: Recommendation Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2006-01	Yes	2006-01
Public Comment	2006-07		
Publication	2006-12		

Title: OGSA EMS Architecture scenarios 1.0

Abstract:

This document provides a set of scenarios that build upon each other to move towards the full EMS architecture. It is proposed that this document be used to drive the factorisation and capability of the services and interactions within the complete EMS architecture.

Type: Informational Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2006-07		
Public Comment	2006-09		
Publication	2006-11		

Title: OGSA EMS Architecture 1.0

Abstract:

This document describes OGSA EMS architecture and including key services with their high level descriptions.

Type: Informational Document

Milestone	Date (YYYY-MM)	Completed?	Completed Date (YYYY-MM)
First Draft	2006-09		
Public Comment	2006-11		
Publication	2007-02		

Group Status:

Active

Public Description (for print & web site):

The Global Grid Forum (GGF) has embraced the Open Grid Services Architecture as the blueprint for standards-based grid computing. “Open” refers to the process used to develop standards that achieve interoperability. “Grid” is concerned with the integration, virtualization, and management of services and resources in a distributed, heterogeneous environment. It is “service-oriented” because it delivers functionality as loosely coupled, interacting services aligned with industry-accepted Web service standards. The “architecture” defines the components, their organizations and interactions, and the design philosophy used.