

OGF / DMTF Work Register

Version 11/06/2006

Alliance Organizations

The [Open Grid Forum](#) (OGF) and the [Distributed Management Task Force](#) (DMTF)

Background and Mission

The Open Grid Forum (OGF) is the name of the newly formed organization resulting from the merger of the Enterprise Grid Alliance (EGA) and the Global Grid Forum (GGF), both of which have been Alliance Partners with the DMTF. The EGA has had a mission to improve grid computing tools and standards in a way aligned with developer and user needs and to foster understanding and adoption of grid computing in order to facilitate the rapid development of grid computing standards and adoption of grid computing. The GGF has had a mission to promote and develop grid technologies and applications via the development and documentation of "best practices", implementation guidelines and standards. The newly formed OGF encompasses both missions as one, leading to the pervasive adoption of grids.

The mission of the Distributed Management Task Force, Inc. (DMTF) is to lead the development of management methods and infrastructure standards for distributed desktop, network, enterprise, and Internet environments.

Alliance Benefits

- Collaboration on the creation of a broader Common Information Model (CIM), for grids, that leverages the requirements of both the DMTF and the OGF working groups, resulting in a unified CIM model for industry-wide use.
- Leveraging of technical and marketing resources in both the DMTF and the OGF working groups and organizational levels.
- Coordination of development processes and priorities between the DMTF and the OGF to ensure that the DMTF modeling standards address grid technology needs and that OGF grid services address management requirements.
- Education about OGF activities to DMTF members and OGF participation at the DMTF Management Developers Conferences, Alliance Partner Summits, and technical meetings.
- Education on DMTF technologies such as CIM, WBEM, and SMASH to OGF members and DMTF participation at OGF conferences and technical meetings.

Alliance Scope

The purpose of this Work Register is to provide a formal channel for the DMTF and the OGF to collaborate, communicate, and coordinate management modeling (information and data models) and services in support of grid technologies. Both organizations would provide requirements input, modeling and service proposals, and standards review feedback to the other. The liaison relationship would cross-leverage each organization's domain expertise, wherein the DMTF is responsible for distributed management infrastructure and information/data modeling of resources (i.e., the CIM Schema and WBEM infrastructure), and the OGF is the peer organization responsible for grid standards.

At a high level, the model standardization efforts are a high priority for the DMTF with input encouraged from the OGF. The OGF should provide input to the standardization process drawing on its experiences in trying to devise interoperable solutions and tools to speed the adoption of grid computing.

It is important for several of the standards development organizations (SDOs) working in the web services space (such as the DMTF, OGF, OASIS, SNIA, W3C) to collaborate. This agreement addresses the specific liaison relationship between the DMTF and the OGF. Both the DMTF and the OGF will work to ensure that the other standards are used as building blocks (versus defining alternatives) wherever possible. High level activities such as the Reference Model developed originally by the EGA and now within the OGF may lead to content which the OGF may desire to contribute, in whole or in part, to the DMTF for inclusion in DMTF standards, or as standards in and of themselves if it is decided to be mutually agreeable to both the DMTF and the OGF. The OGF recognizes and agrees that contributions so made would come under the IPR Policy of the DMTF.

It is noted that this work register is “non-exclusive”, that is, the two organizations may pursue alliances with other organizations as needed.

Alignment is needed between Working Groups in the OGF and the DMTF. Grid technology will be cross-leveraged in the DMTF's CIM and WBEM standards, with CIM Schema definitions leveraged, and where appropriate utilized and extended, by the OGF. Model extensions will be submitted to the DMTF; grid resource and service proposals will be submitted to the OGF.

The OGF has separate work areas addressing Infrastructure, Data, Compute, Architecture, Applications, Management, Security, and Liaisons. Within these work areas, specific working and research groups are conducting work that is complementary to that in the DMTF CIM Schema. Collaborative effort is required between these OGF and DMTF groups. Collaborative effort is also required between marketing organizations for joint announcements as technical specifications are released.

Milestones / Dates

- The DMTF published DSP0225 'URI Format for Published XML Schema to address previous OGF requirements for (1) namespaces to identify XML schemas for properties produced from a particular version of a CIM model and (2) the XML schemas themselves. This allows OGF specifications (and other specifications) to refer to the XML schemas for properties without embedding the schemas in the body of the specifications and XML schemas to be consistent across multiple specifications. OGF, specifically the Data Access and Integration Services (DAIS) workgroup (the originators of the requirement that generated this document) and the OGSA workgroup should review DSP0225 to determine that it meets their needs and where it doesn't provide the appropriate input to DMTF. http://www.dmtf.org/standards/published_documents/DSP0225.pdf Target: January 2007
- DMTF published DSP0230 'WS-CIM Mapping Specification' covers how CIM is mapped to WSDL. This addressed a previous requirement from OGF. Additionally, there are two mapping specifications that also address WSDL requirements, DSP0227 'WS-Management – CIM Binding' and the WSDM/CIM mapping which is still in workgroup development/review. OGF, specifically the OGSA workgroup, should review DSP0230 and DSP0227 to determine whether it meets their needs, and if not, input to DMTF what is missing or won't work. Target: January 2007
http://www.dmtf.org/standards/published_documents/DSP0230.pdf
http://www.dmtf.org/standards/published_documents/DSP0227.pdf

- OGSA workgroup should review the WSDM/CIM mapping specification when it is published as a Preliminary Specification (publicly available) to determine whether it meets their needs, and if not, input to DMTF what is missing or won't work. The working document (for those who can access it) can be found at <http://www.dmtf.org/apps/org/workgroup/wsdm/> (look under documents category on this page). Target: 2007
- Extrapolate from the OGSA-BES work and submit to DMTF a general container model (BES is a specific instantiation). Target: 1Q2007
- Educate DMTF members / developers on OGF use of the Common Information Model. Use the yearly DMTF Management Developers Conference. Target: December 2006
- Identify the base set of grid resources that need to be advertised that applications can consume (via requirements) and update the CIM as needed including how best to map/leverage information models. Anticipated output would be in form of an OGF Informational Document that extends/modifies DMTF CIM. Target: 2Q2007
- Identify and write profiles as needed that reflect grid resource needs for interoperable implementations. Target: throughout 2007
- Identify DMTF workgroup – OGF workgroup relationships that can result in best leveraging each other's expertise. DMTF TC participants (to be identified), OGSA workgroup (Ellen Stokes and Hiro Kishimoto), and DMTF liaison (Tom Roney) lead with participation from OGF area directors, OGF workgroup chairs, and DMTF chairs as identified. Target: 1Q2007 and revisit at least twice a year because workgroups are created, deleted, and modified as needed.
 - Identify OGF work that can enhance / leverage CIM schema
 - Identify areas of CIM schema that do not address grid enablement
- Other activities to be defined after the initial identification of useful DMTF-OGF workgroup relationships. Target: 1Q or 2Q 2007

Work Register Review Date

The work register should be formally reviewed and updated at least every year. Given the fluidity of the relationship and industry work in the information/data model areas, this document may be updated more frequently.

Contacts

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Approved by the DMTF Board of Directors on 12/5/06 with resolution #2006-12-2