OGF / DMTF Work Register
Version 1.2 05/26/2009

Alliance Organizations

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

Background and Mission

The Open Grid Forum (OGF) is a community of users, developers, and vendors leading the global standardization effort for grid computing. The OGF community consists of thousands of individuals in industry and research, representing over 400 organizations in more than 50 countries. The work of OGF is carried out through community-initiated working groups, which develop standards and specifications in cooperation with other leading standards organizations, software vendors, and users. OGF hosts several events each year to further develop grid-related specifications and use cases and to share best practices.

The mission of the Open Grid Forum is to accelerate grid adoption to enable business value and scientific discovery by providing an open forum for grid innovation and developing open standards for grid software interoperability.

The mission of the Distributed Management Task Force, Inc. (DMTF) is to lead the development, adoption, and promotion of interoperable management standards and initiatives 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 DTMF 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 OGF Reference Model 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 and that OGF will be acknowledged for its contributions.

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

- Point-in-time activities

    o Schema

        ▪ The OGF Glue workgroup has identified the base set of grid resources that need to be advertised that applications can consume. Update CIM as appropriate with these advertised resource models (e.g. new modified DMTF classes, DMTF view / abstracted classes) including how best to map/leverage information models. Anticipated output would be in the form of an OGF Information Document that extends/modifies DMTF CIM and a set of DMTF change requests that reflect OGF's advertised models. Target: 2H2008 / 1Q2009

    o Virtualization

        ▪ Identify / write use cases to feed DMTF virtualization work, e.g. portals, aggregated virtualized resources, cloud computing, etc, leveraging OGF's grid-virt use case work as appropriate. Target: 2H2008

- - Define the layers of conceptual management and then identify/define interface to virtualized infrastructure and aggregated resources to simplify access for applications. Validate with identified use cases from above bullet. Target: 2009

  - o Coordinate on emerging sematics pertaining to the management of Cloud Computing. The OGF now has a working group (http://www.ogf.org/gf/group_info/view.php?group=occi-wg), the Open Cloud Computing Interface working group that is defining an interface for interacting with Cloud infrastructures exposed as services. The DMTF now has a Cloud Incubator group with a charter and scope (http://www.dmtf.org/about/cloud-incubator/CloudIncubatorCharter2009-04-16.pdf). Complementary activities should be identified, and areas for collaboration should be explored. Track this activity through the SCRM-WG of OGF. Target: 2H2009

  - o Define a DMTF process for development of delegated/federated Common Information Model (e.g. schema, profiles). Target: 2H2008

- On-going activities

  - o Educate DMTF members / developers on OGF use of the Common Information Model. Use the yearly DMTF Management Developers Conference. Target: November 2008

  - o Identify and write profiles as needed that reflect grid resource needs for interoperable implementations.

  - o Identify DMTF workgroup – OGF workgroup relationships that can result in best leveraging each other's expertise. DMTF TC participants (to be identified), OGF OGSA workgroup (Hiro Kishimoto), and OGF liaison to DMTF (Thijs Metsch) lead with participation from OGF area directors, OGF workgroup chairs, and DMTF chairs as identified. Target: revisit at least twice a year because workgroups are created, deleted, and modified as needed.

  - o Identify OGF work that can enhance / leverage CIM schema

  - o Identify areas of CIM schema that do not address grid enablement

  - o Other activities to be defined after the initial identification of useful DMTF-OGF workgroup relationships

  - o Identify and execute on general marketing activities that benefit both DMTF and OGF

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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