

OGF / DMTF Work Register

Version 1.3d

Alliance Organizations

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

Background and Mission

The mission of the Open Grid Forum (OGF) is to provide a world-wide open community for development and adoption of best practices and standards for grid, cloud, and other applied distributed computing technologies.

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 virtualized infrastructure management specifications for clouds and grids that address similar requirements of both the DMTF and the OGF working groups, resulting in more unified model(s) for industry-wide use.
- Coordination of development processes and priorities between the DMTF and the OGF to facilitate the DMTF modelling standards addressing grid technology needs and the OGF grid services addressing management requirements.
- Leveraging technical and marketing resources in both the DMTF and the OGF working groups and organizational levels.
- 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 VMAN, 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 on standards for advanced technologies for distributed computing and service architectures for management of cloud and grid-based resources. Each organization will provide requirements input, use cases, modeling and service proposals, and standards review feedback to the other. The liaison relationship will leverage and build on the organizational domain expertise of both organizations.

While the organizations are interested in mutual work and development of standards in general, the focus of this work register is on specific standards related to cloud technologies. Relevant technology includes, but is not limited to, the Open Cloud Computing Interface (OCCI) developed by OGF, the Open Virtualization Format (OVF) and related virtualization standards developed by DMTF, and a cloud management model and interfaces currently being developed by DMTF. Sharing these technologies will help the participating organizations refine and extend these in a cooperative and mutually well-informed manner. There is significant value in having a cooperative working relationship between OGF and DMTF in these areas.

Extensions to their respective specifications may be pursued by the DMTF and OGF. Specific terms of this cooperative work register are as follows:

- a. OGF may make technical submissions to DMTF according to DMTF's published process. Such submissions will be handled by the DMTF using the same processes and policies used for other technology submissions. It is up to the affected DMTF working groups whether or not to incorporate any changes.
- b. DMTF may suggest to OGF changes to the OCCl specifications, which will be treated by the OCCl working group on the same basis as a submission from an individual person. It is up to the OGF OCCl working group whether or not to incorporate the changes, as usual for OCCl-WG submissions, and they will be treated on an equal basis with other submissions.
- c. DMTF will allow individuals from the OCCl working group to participate as non-voting members in the DMTF meetings.
- d. OGF will allow individuals from DMTF working groups to participate in OGF working group meetings and discussions as regular members of the OGF community.
- e. Coordination may occur where consistent with the documented working practices of each organization for standards development.

The DMTF has many working groups, including a Cloud Management Working Group (CMWG) that would be the primary focus for collaborative work on cloud management standards. 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. Collaborative effort should be encouraged between relevant OGF and DMTF groups. The respective OGF and DMTF marketing organizations should also collaborate on possible joint announcements as technical specifications are released.

This work register is "non-exclusive," that is, the two organizations may pursue alliances with other organizations as needed.

Milestones / Dates

Point-in-time activities

Collaboration on Cloud Standards (Priority 1)

- o Establish a work relationship between the OGF OCCl-WG and the DMTF CMWG. Submit and present the OCCl specifications to the CMWG for consideration for inclusion in the model and protocol work of the CMWG. Target: 2Q2011
- o Work on extension and refinements for the next revision of the OCCl specification. Includes work on parts of the OCCl protocol, the OCCl (Infrastructure) model and potential OVF/OCCl integration. OGF to produce draft standards - 4Q2011
- o Consider jointly pushing (parts of) OGF and DMTF cloud specifications towards IETF and ISO as a joint effort of OGF and DMTF - 2Q2012

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 and/or 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: 4Q2011

On-going activities

o Exchange of information between DMTF and OGF members and developers on opportunities to further each others' standards frameworks, including use of the OGF

GLUE, Usage Record, WS-Agreement and WS-AgreementNegotiation standards and the DMTF Common Information Model. Examples of opportunities for such exchange include the OGF meetings and the annual DMTF Alliance Partners Conference.

o Identify and standards profiles as needed that reflect grid and cloud needs for interoperable implementations.

o Identify and carry out general marketing activities that benefit both organizations

Work Register Review Date

The work register should be formally reviewed and updated at least every year.

Contacts

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- Thijs Metsch, OGF liaison to DMTF, tmetsch@platform.com

DMTF:

- DMTF VP of Alliances (vp-alliances@dmf.org)

Approved by the DMTF Board of Directors; Board Resolution 2011-04-10; on 04/28/2011.