The Green Grid Association/ DMTF Work Register
Version 1.1
Date Initiated : 09/22/2011

Alliance Organizations

The Green Grid Association (TGG) and the Distributed Management Task Force (DMTF)

Background

This is an update to the current DMTF and TGG Alliance Partner work Register. Working groups under the DMTF's TC are currently engaged in developing management specifications in a number of areas that are relevant to the management of data centers. Some examples include management of virtualization technologies, platform centric power and cooling management, and application management. TGG is in the process of developing models & profiles leveraging DMTF's portfolio of standards, including CIM.

Alliance Partner Mission

TGG is a global consortium dedicated to developing and promoting energy efficiency for data centers by:

- Defining meaningful, user-centric models and metrics
- Developing standards, measurement methods, best practices and technologies to improve performance against the defined metrics
- Promoting the adoption of energy efficient standards, processes, measurements and technologies

Alliance Benefits

In order to support their goals, TGG is identifying enabling technologies for the definition of a single, holistic interface for management and monitoring of the data center. The ecosystem that exists around WBEM technologies (management tools, open source infrastructure, tooling, etc.), maturity, and currency with industry best practices enables TGG to meet their goals of leveraging existing infrastructure, reduced time to market of solutions, and longevity of solution definition. Accordingly, TGG has determined that WBEM and the suite of related technologies will be actively pursued and at this time the TGG expects this technology to form the basis of the management interfaces they define.

TGG will leverage and extend the technologies and specifications of the DMTF to apply them to the data center. In order to ensure the consistency and interoperability of solutions for this new management domain with existing deployed solutions, TGG wishes to leverage the expertise of the DMTF as they apply WBEM technologies in the data center. An alliance will benefit TGG by providing them access to the expertise of the DMTF and its membership.

DMTF will benefit from increased adoption of technologies widely used by its members. The application of these technologies to the data center will create a new market for the solutions in which DMTF members are heavily invested.

The industry will benefit from an alliance partnership through utilization of a single interface for heterogeneous management inside and outside of platforms, across data centers, and for IT and non-IT equipment. Coordination of DMTF and TGG standards will improve interoperability of management solutions at all levels of the data center.

Standards Development

TGG wishes to work closely with the DMTF to develop a data model for the management of data center power and cooling. This is intended to be an ongoing effort where TGG, having determined that WBEM and the suite of related technologies, will be the basis for their interface. Working closely, the TGG and the DMTF will develop CIM extensions and any needed other infrastructure to support this domain space. The data model and extensions are under discussion as well as the plans for any delegation of model or profiles in the TGG's space.

Milestones / Dates

TGG anticipates producing interface specifications via the Data Center Design Guide based upon CIM/WBEM technologies in approximately 6-12 months.

- Representatives from TGG will participate in the DMTF Alliance Partner Technical Summit meetings as appropriate (Next is expected end of July, 2012 – see http://www.dmtf.org/news/events for details).
- Representatives from the DMTF will participate in the annual TGG Technical Forum held at the end of the Q1/Early Q2 2011 in the Bay Area.

TGG will communicate requirements to DMTF through participation in individual WGs & joint meetings as appropriate.

- Schedule initial joint meeting with Points of Contact between TGG & DMTF by October 31, 2011, with the expectation that recurring joint meetings may be necessary.
- Develop and modify/augment the appropriate technical standards (CIM/WEBM) and architectural approach to implementation (DCDG) to realize holistic data center management.pre and post document publication.
- Co-promotion by both organizations of CIM/WEBM as the preferred mechanism for data center energy management as outlined in TGG's Data Center Design Guide
- Provide advice and direction to DMTF on data center energy issues on an ongoing basis.
- DMTF to identify Technical resource(s) to support detailed discussions around S/W implementation and compliance and Interoperability programs by October 2011
- DMTF to provide support in establishing TGG as the Data Center domain expert around Data Center management and Data Center energy efficiency

Work Register Review Date

This work register shall be reviewed quarterly to gauge progress and make adjustments as appropriate.

Resources Identified / Points of Contact:

TGG:

- Larry Lamers,Liaison Committee representative to the DMTF, ljlamers@vmware.com
- Jim Woodbury, DCDG Management WG chair, woodbury@us.ibm.com
- Jay Taylor , Chair Liaison Committee, Jay.Taylor@schneider-electric.com

DMTF:

- Jeff Hilland, Vice President of Technology (vp-technology@dmtf.org)
- Hemal Shah and Perry Vincent, Server Desktop Mobile Platform Management Working Group co-chairs (sdmpwg-chair@dmtf.org)

- John Crandall, Schema Subcommittee chair (schema-sc-chair@dmtf.org)

Corresponding DMTF Work Register Document

The TGG does not have a corresponding relationship document.

Approved by the DMTF Board of Directors; Board Resolution **2011-10-09**, on 10/25/2011.