Management Matters

May 2010

The Distributed Management Task Force Newsletter

Management Matters this month:

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Management Matters is a monthly publication covering the Distributed Management Task Force and its member organizations.

FEATURES

Message from the Chairman: The DMTF Board of Directors – Keeping Pace with the Industry

By: *Mike Baskey, DMTF Board Chair*

This month, we wanted to focus on the DMTF Board of Directors and the role we play in the organization. We would first like to acknowledge that Cisco has returned to the DMTF board. They will be represented by Jeff Wheeler, who has been active in telco/network, virtualization and the cloud space. Additionally, DMTF will hold officer elections in a few months. Though many of the Vice President positions are held by board companies, there are also leadership level companies that currently hold executive officer positions. These positions are vital to our organization. We encourage active and interested leadership members to consider getting involved.

The DMTF Board is entrusted with setting the overall direction for the organization as well as holding fiduciary responsibility

for DMTF funded projects. The Board just finished the budget for FY2010 and is working to determine funding for Initiatives, which expand the reach of the organization in the areas members determine the most valuable. The Board designed the Initiative program to improve the efficacy of DMTF technology by linking the Technical Committee, Marketing Committee and Interoperability Committee to better integrate and focus DMTFís efforts, and make our deliverables more consumable. Virtualization was the latest initiative, which led to the inception of the VMAN Forum. This structure provides a means for related work to be pulled together in a common place. Cloud Computing is likely an area that will receive increased focus looking forward.

The DMTF Board has also been an active participant in reviewing DMTF processes to ensure they are optimal and consistent with best practices in the industry, as well as efficient and fair for the organization. The Process Committee drives these projects, but the Board has played a role in evaluating policies, such as the technology submission policy and IP/copyright considerations. For example, the DMTF Incubator Process was developed as a result of these discussions. The DMTF Board also works closely with our alliances partners, helping improve industry integration. A recent example the DMTF Boardís work with standards organizations and our Alliance Partners was in the development of the Cloud Standards website. This helps DMTF to better align itself with other standards organizations through the adoption of their principles and best practices.

In the end, our goal is to help keep the organization relevant. We are always open to new ideas on improving our relevance and the openness of the organization.

As always, please contact me with any questions or comments at chair@dmtf.org.

Send us your comments and contributions regarding *Management Matters*

Welcome New Members

[Advance Computer Corporation & Grupo Deltron](#)

[Compuware Corporation](#)

[Hyper9](#)

[Telecom Italia](#)

[Virtustream Inc.](#)

WS-Man Ready for ANSI/ISO Standardization

DMTF has been hard at work refining the Web Services for Management ([WS-Man](#)) specification during the past couple of months to prepare it for submission for consideration as an ANSI and ISO standard.

WS-Man addresses the cost and complexity of IT management by providing a common way for systems to access and exchange management information across the entire IT infrastructure. WS-Man is also the first specification in support of the DMTF initiative to expose CIM resources via a set of Web services protocols.

DMTF plans to submit WS-Man to the InterNational Committee for Information Technology Standards ([INCITS](#)) "Fast-Track" process to develop it as an American National Standard at American National Standards Institute ([ANSI](#)). Once it is approved as an ANSI standard, WS-Man will be submitted to the International Standards Organization ([ISO](#)) for consideration for international standardization.

This will be a notable milestone for DMTF as the organization continues to maintain its position as a leading standards body. As part of the international verification process, the specification will be put through a number of tests to ensure it meets a complex system of checks and balances of reviews before it is adopted as an American and International standard. It must be reviewed by each of the above mentioned organizations independently to achieve adoption.

Welcome Cisco to the DMTF Board of Directors

This month DMTF announces [Cisco](#) as a newly appointed member of the DMTF Board of Directors. Cisco joins [Advanced Micro Devices](#), [Broadcom](#), [CA](#), [Citrix Systems](#), [Dell](#), [EMC](#), [Fujitsu](#), [HP](#), [Hitachi](#), [IBM](#), [Intel Corporation](#), [Microsoft Corporation](#), [Oracle](#) and [VMware](#) to drive the development of DMTF standards and initiatives in 2010. Jeff Wheeler will represent Cisco on the board.

DMTF is excited to have Cisco join the Board in their ongoing work to develop standards that enable interoperable IT management. Through the collaborative efforts of our board companies DMTF remains at the forefront of standards development in the IT space.

Send us your [comments and contributions](#) regarding *Management Matters*

Recap: Microsoft Management Summit 2010

Last month DMTF attended the annual Microsoft Management Summit (MMS) at the Venetian Hotel and Resort in Las Vegas, Nev. The annual MMS is the premier event for technical information and training on the latest IT Management solutions from Microsoft, partners and industry experts.

MMS attendees who stopped by the DMTF booth received the latest updates on current DMTF activities.

The event shared extensive expert knowledge and information, covering current System Center products as well as Windows platform management solutions for virtualization of servers and desktops and applications.

MMS 2010 was a great opportunity for all DMTF members to learn about Microsoftís latest IT Management products, solutions and technologies, as well as meet with the experts.

New DMTF Documents Available to Members

Specifications:

- CMDBf Specification (DSP0252_1.0.1): This specification describes the architecture and interactions for federating data repositories together to behave as a data store that satisfies the role of a Configuration Management Database (CMDB), or as the federated repository that is the heart of a Configuration Management System, as described in the ITIL best practices, version 3. For brevity, the remainder of the document uses the term CMDB, even when the term Configuration Management System would be at least as appropriate. The federation provides an aggregate view of a resource, even though the data and underlying repositories are heterogeneous. A query interface is defined for external clients to access these data.

- MCTP Base Specification (DSP0236_1.1.0): The MCTP Base Specification describes the command protocol, requirements, and use cases of a transport protocol for communication between discrete management controllers on a platform, as well as between management controllers and the devices they manage.

- Generic Operations Specification (DSP0223_1.0.0): WBEM is a set of DMTF standards that define how CIM modeled resources can be discovered, accessed and manipulated.

Profiles:

- Processor Resource Virtualization Profile (DSP1044_1.0.0): This profile is a component profile that extends the management capabilities of the specialized profiles by adding the support to represent and manage the allocation of processor resources to virtual systems.

- System Virtualization Profile (DSP1042_1.0.0): This profile is an autonomous profile that specifies the minimum top-level object model needed for the representation of host systems and the discovery of hosted virtual computer systems. In addition, it specifies a service for the manipulation of virtual computer systems and their resources, including operations for the creation, deletion, and modification of virtual computer systems and operations for the addition or removal of virtual resources to or from virtual computer

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systems.

- Virtual System Profile (DSP1057_1.0.0): The Virtual System Profile is an autonomous profile that defines the minimum object model needed to provide for the inspection of a virtual system and its components. In addition, it defines optional basic control operations for activating, deactivating, pausing, or suspending a virtual system.

- Block Based Storage Resource Virtualization Profile (DSP1047_1.0.0): (Pending 1044) This profile is a component profile that extends the management capabilities of the referencing profile by adding the support to represent and manage the allocation of storage to virtual systems.

- Base Server Profile (DSP1004_1.0.1): The Base Server Profile is the autonomous profile that defines the classes used to describe basic server hardware and its related software. The scope of this profile is limited to simple servers that are directly realized in physical components. The profiles referenced by the Base Server Profile extend the management capabilities by adding the capability to represent server configuration, boot control, provisioning, and hardware.

- CLP Service Profile (DSP1005_1.0.1): The Command Line Protocol Service Profile extends the management capability of referencing profiles by adding the capability to represent a CLP service and its associated sessions. A CLP service is logical entity that provides management access through the Server Management Command Line Profile defined in the Server Management Command Line Protocol Specification.

- CPU Profile (DSP1022_1.0.1): The CPU Profile extends the management capability of referencing profiles by adding the capability to represent CPUs or processors in a managed system. CPU cache memory and associations with CPU physical aspects, as well as profile implementation version information, are modeled in this profile.

- Computer System Profile (DSP1052_1.0.1): The Computer System Profile is the autonomous profile that defines the minimum top–level object model needed to define a basic computing platform. This profile is intended to be the base profile for specialization for the modeling of specific types of computer systems such as virtual machines, servers, desktops, and mobile computers. The Computer System Profile identifies component profiles for integration of additional management functionality including system configuration, boot control, and other provisioning capabilities.

XML Schema:

- Query Service WSDL (DSP8043_1.0.2): WSDL specification for CMDBf (Configuration Management Database Federation) query service, as described in DSP0252 – Configuration Management Database (CMDB) Federation Specification.

- Service Data XSD (DSP8040_1.0.1): XML schema specification for CMDBf (Configuration Management Database Federation) service data. This data is exchanged via the CMDBf query and registration services, described in DSP0252 – Configuration Management Database (CMDB) Federation Specification.

Alliance Partner Feature: The Open Grid Forum

This month we spotlight DMTF Alliance Partner the Open Grid Forum (OGF), a community of thousands of users, developers and vendors representing more than 400 organizations. The group leads the global standardization effort for grid computing and works with its partners to accelerate the adoption of grid computing. OGF believes grids will lead to new discoveries, new opportunities and better business practices.

The Open Grid Forum was created from the merger of Enterprise Grid Alliance (EGA) and Global Grid Forum (GGF), both of which were previous alliance partners of DMTF. EGA was a consortium focused on developing and promoting enterprise grid solutions. GGF had a rich history and established international presence within the academic and research communities, along with a growing participation from the industry. Now as OGF, the organization has the opportunity to deliver faster results, communicate more clearly and collaborate more effectively with other grid organizations and standards bodies.

The OGF/DMTF alliance provides a formal channel for both organizations to collaborate, communicate and coordinate management modeling and services in support of grid technologies. This relationship allows each organization to utilize their strengths: DMTF is responsible for distributed management infrastructure and information and data modeling of resources, and OGF is the peer organization responsible for grid standards.

Synergy 2010 Means Career Advancement

People go to industry conferences for many reasons: time away from the office, the parties, the pool… If you are one who goes to conferences to increase your knowledge and skills to further your career, Synergy 2010 is the one event you must attend this year.

Synergy San Francisco, May 12–14 at Moscone West Convention Center, delivers practical information on the emerging technologies that are changing the face of computing: virtualization, private and public clouds, and network optimization. Attendees will learn career-enhancing skills in more than 60 sessions, dozens of in-depth Hands-on Learning Labs, and at Geek Speak Live!, the ultimate "unconference" featuring technical experts, analysts and bloggers talking shop.

Synergy will deliver both immediate and long-term returns on your investment, including:

- Strategies and best practices for getting more from your existing IT assets
- Free skills training
- Free certification exams
- Personal experience with new products and solutions from leading IT vendors in the expansive Solutions Expo

This is not to say Synergy 2010 is all work and no play… but Synergy 2010 will make you better prepared for your job today and better prepared for the career opportunities of the future.

For those attending the event, be sure to visit DMTF in booth #502 for an update on what the organization has been up to during the past few months. DMTF members can save $400. Just log in to get your discount code.

Come to Synergy 2010 and give your career a boost. You'll be glad you did.

REGULARS

2010 Survey Results: What DMTF standards is your company currently developing an implementation of (including extensions)?

In this series, DMTF continues to report findings from its annual member survey conducted in January 2010. Seventy-five members responded at length to our survey.

We asked what DMTF standards your company is currently developing an implementation of, including extensions. Here's what you said:

Answer Options	Response Percent	Response Count
Alert Standard Format (ASF)	8.0%	6
Common Diagnostic Model (CDM)	18.7%	14
Common Information Model (CIM)	41.3%	31
CMDB Federation	10.7%	8
Desktop Management Interface (DMI)	6.7%	5
Desktop and Mobile Architecture for System Hardware (DASH)	24.0%	18
Open Virtualization Format (OVF)	21.3%	16
Platform Management Components Intercommunications (PMCI)	9.3%	7
Systems Management Architecture for Server Hardware (SMASH)	25.3%	19
Systems Management BIOS (SMBIOS)	21.3%	16
Web Based Enterprise Management (WBEM)	21.3%	16
CIM-XML	25.3%	19
WS-Management	37.3%	28
Virtualization Profiles	24.0%	18
I don't know	24.0%	18
Other (please specify)	1.3%	1

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Member Feedback Welcomed:

We are continually improving our newsletter and welcome your input. Please send any comments or suggestions to [press@dmtf.org.](mailto:press@dmtf.org)