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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: Mid-Year Highlights

By: *Mike Baskey, DMTF Chairman*

As we enter the second half of 2009, I wanted to take a moment to reflect on the accomplishments we've achieved together this year, and look forward to the continued work ahead of us.

We've made some significant strides in engaging in industry initiatives around cloud computing this year. This progress is not only demonstrated through the Open Cloud Standards Incubator – which is making good progress on a taxonomy, reference architecture and use cases around cloud management – but also by engaging with several other standards

Upcoming Events

August 12 – 13, 2009
[Next Generation Data Center Conference](#)
San Francisco, California

August 31 – September 3, 2009
[VMworld 2009](#)
San Francisco, California

September 14 – 17, 2009
[Storage Developers Conference](#)
Santa Clara, California

September 17, 2009
[Configuration Management](#)

organizations through www.cloud-standards.org. We expect to see some externally visible work-in-progress and first steps towards defining some of the interfaces to some of our alliance partners in the cloud space fairly soon.

DMTF has also delivered a significant first step in the service management space with the release of the CMDB federation (CMDBf) standard. Customer interest in service management and disciplines like Information Technology Infrastructure Library (ITIL) is increasing, as evidenced by Gartner's interest in this specification throughout its lifecycle. With this standard, we now have another important element in our portfolio. Having DMTF play a major role in defining standards in this space will increase our relevance and attention from the industry and our customers.

For the second half of the year, DMTF is preparing a heavy event presence to help promote its initiatives and standards. We'll be exhibiting at each of the following events:

- NGDC: August 12–13; San Francisco, Calif
- VMworld 2009: August 31– September 3; San Francisco, Calif
- LISA 2009: November 1–6, 2009; Baltimore, Md.
- MDC: November 16–19, 2009; Santa Clara, Calif

These events provide excellent opportunities to connect with DMTF members and to learn more about our various initiatives. We strongly encourage you to attend.

I want to specifically call your attention to MDC, the only developer conference specifically for companies implementing DMTF standards. With so many thriving DMTF initiatives and the impending launch of the CDM and DASH conformance programs, it's increasingly important that our technical leaders get together to share ideas on connecting existing work and to brainstorm ideas for new initiatives. DMTF is working with the MDC organizers to make sure the agenda is filled with valuable content. We understand the travel challenges presented by today's economy, but we hope you recognize the significance of this industry event and will start working now to get the best representation you can at MDC this year.

Despite the weak economy, DMTF continues to make impressive strides in bringing together the industry to collaborate on key aspects of management standards. We're being sought out by more and more industry alliances for the work we're doing and the suite of technology expertise our members represent. It's important we continue to recognize where we can add value and evolve with the industry to maintain our relevance. I see only upsides for the organization in the future and look forward to working with all of you to continue to define and deliver the DMTF vision.

[Database Summit](#)

Online

September 22–23, 2009

[Storage Developers Conference](#)

Santa Clara, California

November 1 – 6, 2009

[Systems and Virtualization Management](#)

Wuhan, China

November 16 – 19, 2009

[2009 Management Developers Conference](#)

Santa Clara, California

Sponsored Events

August 10–14, 2009

[USENIX Security Symposium '09](#)

Montreal, Canada

Watch this space for [other DMTF events](#)

Welcome New Members

[PAUTA EQUIPAMENTOS E SERVIÇOS LTDA](#)

[Rackspace](#)

[SolarWinds](#)



DMTF Completes the CMDBf Standard for Federating Configuration Management Data

By *Mark Johnson*, CMDB Federation Working Group Chair

Last month, DMTF announced the completion of its Configuration Management Database Federation ([CMDBf](#)) standard. This was an exciting announcement for DMTF because this standard becomes the first to address the challenges of configuration data integration in multi-vendor, heterogeneous environments. CMDBf enables companies to access their management data without replicating or transforming data between multiple repositories. The completion of the CMDBf standard is a major milestone for DMTF as it continues to deliver on its mission of enabling more effective, interoperable IT management.

DMTF had been working on this standard since the specification was submitted by the CMDBf Working Group in [November 2007](#). During the past two years, several member companies have devoted time to finalizing this standard. Tremendous industry support is reflected in all the effort and energy put into developing the CMDBf standard and driving it to completion. Read what supporting companies are saying about CMDBf [here](#).

The CMDBf standard enables organizations to federate and access configuration data information from complex, multi-vendor infrastructures without the need to create a single monolithic repository of this data. This simplifies the process of managing related configuration data stored in multiple CMDBs and MDRs and supports the creation of an Information Technology Infrastructure Library (ITIL) v3 Configuration Management System (CMS). It also provides IT personnel with a more complete picture of their entire IT environment, allowing them to more effectively manage the components in their IT environment and better utilize configuration data to streamline management tasks and resolve issues.

By adopting solutions that support the CMDBf standard, IT administrators do not need to combine data from disparate and diverse sources into an additional database which requires maintenance and management. Instead, CMDBf enables data to be federated in place as a way to integrate a larger set of management information to be used when performing configuration management, change assessment or incident analysis.

The completion of the CMDBf standard is the result of a strong commitment and dedicated effort by the DMTF members involved in the CMDBf Working Group. This announcement builds upon DMTF's current momentum as we head into the second half of 2009. DMTF and its members look forward to working toward broadening the applicability and appeal of CMDBf and related future specifications.

New DMTF Documents Available to Members

Standards:

- **Modular System Profile ([DSP1008](#)):** The Modular System Profile is an autonomous profile for modeling blade systems. The target audience for this specification is implementers who are writing CIM-based providers or consumers of management interfaces that represent the component described in this document.
- **CIM Simplified Policy Language (CIM-SPL) ([DSP0231](#)):** The objective of CIM-SPL is to provide a means for specifying if-condition-then-action style policy rules to manage computing resources using constructs defined by the underlying model of

CIM Information Model. Using CIM-SPL, one can write policy rules whose condition may consist of CIM data that contains the properties of managed resources. The CIM data may be available through various types of CIM data repositories. The action part of a CIM-SPL policy can invoke any operations or function calls in general. In particular, the action part can contain operations on the CIM data repository to change the properties of a CIM instance. This document provides several examples drawn from storage provisioning and network management to illustrate the usage of CIM-SPL.

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New DMTF Documents Available to Members – continued

- Service Processor Profile ([DSP1018](#)): The Service Processor Profile is an autonomous profile for modeling service processors. The target audience for this specification is implementers who are writing CIM-based providers or consumers of management interfaces that represent the component described in this document.
- SMASH Collections Profile ([DSP1006](#)): The SMASH Collections Profile extends the management capability of referencing profiles by adding the ability to create collections of managed elements.
- SM CLP Admin Domain Profile ([DSP1007](#)): The SM CLP Admin Domain Profile extends the management capability of referencing profiles by adding the capability to represent the management domain of the CLP and the collection of hardware being managed.
- USB Redirection Profile ([DSP1077](#)): The USB Redirection Profile extends the management capabilities of referencing profiles and provides the capability to manage USB redirections provided by the system. This profile should be used if the keyboard, video, and mouse (KVM) devices are to be managed as USB devices. Otherwise, the KVM Redirection Profile should be used.
- Memory Resource Virtualization Profile ([DSP1045](#)): This profile is a component DMTF management profile that extends the management capabilities of the referencing profile by adding the support to represent and manage the allocation of memory to virtual systems.
- Resource Allocation Profile ([DSP1041](#)): The Resource Allocation Profile sets the basic resource allocation pattern for resource pools, allocations, and setting data. It also defines the resource-pool-lifecycle management and relationships.
- Base Server Profile ([DSP1004](#)): 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.

BrightTALK NGDC Summit Recap

On July 30, 2009, BrightTALK hosted an online summit of live Web casts. The summit featured presentations by IT thought leaders who presented real life examples of Next Generation Data Center (NGDC) implementations, best practice considerations, and new technologies and standards that impact the data center.†Each Web cast was live and interactive allowing viewers to ask questions of the presenter, respond to polls and offer their feedback after the presentation.

Call for Contributors

DMTF invites you to contribute to *Management Matters*. DMTF welcomes letters to the editor, topic suggestions and other contributions. If you would like to participate, email us at press@dmtof.org.

DMTF President Winston Bumpus participated in this summit with a presentation titled, Enabling Tomorrow's Data Center Using Open Management Standards. The presentation discussed the major shift in data center operation and technology, and the forces for change that are driving the vision to create new data center designs and technologies, including the economy, cloud computing, virtualization and green IT. Winston reviewed server, storage, virtualization, cloud and power management issues, and how emerging industry standards from DMTF and its alliance organizations will be key factors in the successful realization of this vision.

Winston's presentation was one of 14 others focused on NGDC. Other speakers during this online summit included:

- Dale Sartor of the Lawrence Berkeley National Laboratory
- Bradley Ellison, IT-OPS Data Center Architect at Intel Corporation
- Simon Johnson, Data Recovery Practice Lead at GlassHouse Technologies Ltd.(UK)
- Bob Doherty, Principal & Data Center Manager at OMS in Your Data Center LLC
- David Cuthbertson, Managing Director at Square Mile Systems

If you missed Winston's presentation, you can download and view it on-demand [here](#).

Alliance Partner Feature: Object Management Group

This month, we spotlight DMTF Alliance Partner Object Management Group ([OMG](#)), a nonprofit computer industry consortium. The OMG Task Forces develop enterprise integration modeling standards that enable design, execution and maintenance of software technologies. OMG's middleware standards and profiles are based on the Common Object Request Broker Architecture ([CORBA®](#)) and support a wide variety of industries.

OMG, formed in 1989, has kept membership and participation in standards processes open to all organizations and attained international reach. Each organization, regardless of size, gets one vote. The Board of Directors represents many organizations that work with enterprise and Internet computing. Membership includes hundreds of organizations, both large and small, in the computer industry.

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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@dmtof.org.

EVENTS

Still Time to Register for 2009 Next Generation Data Center Conference

DMTF is happy to be returning to the Next Generation Data Center Conference ([NGDC](#)) this year. The conference will take place August 12–13, 2009, at the Moscone Center in San Francisco, Calif.

Stop by the DMTF booth for updates on the organization's latest activities. Additionally, don't miss DMTF President Winston Bumpus' presentation, "Simplifying Virtualization Management Using New Industry Standards" on Thursday, August 13, 2009, at 10:15 a.m.

NGDC is the only strategic IT event focused on the complete end-to-end solution for the 21st century data center and the new technologies from which these data centers are being built. NGDC will feature exclusive presentations by industry insiders and executives addressing ever-increasing needs for flexibility, scalability and performance in the data center. Topics include virtualization, data center applications, enterprise storage, and efficient, resilient and sustainable facilities.

This year, NGDC will co-locate with OpenSource World (formerly LinuxWorld) and CloudWorld. The co-location of these three events, focused on integrated enterprise technologies aimed at increasing data center efficiency and reducing costs, provides a unique value proposition that will maximize learning while reducing IT professionals' time away from the office. Each of these three conferences offers a different learning opportunity and experience, making this an ideal event for DMTF members to attend.

There is still time to [register](#) for NGDC 2009 and participate in this valuable industry event.

Register Now for VMworld 2009

Don't miss [VMworld 2009](#), the leading virtualization event. [Register now](#) – to access the Schedule Builder tool, which opens to the public on August 3. This year, you can use Schedule Builder to plan and prepare your entire schedule. You'll be able to:

- Secure your space in up to two Instructor-led labs
- Identify your "can't miss" Breakout Sessions
- Print, email or export your schedule to your PDA, Smartphone or other calendar

Join DMTF at VMworld, the must-attend event for anyone interested in virtualizing the enterprise. DMTF President Winston Bumpus will present on "Improved Cloud Interoperability Using Virtualization Management Standards." Also, stop by the DMTF booth to get updates on the Virtualization Management Initiative ([VMAN](#)) and our [Open Cloud Standards](#) work.

With more than 300 targeted breakout sessions, access to interactive hands-on labs and more than 200 virtualization-focused companies in the Solutions Exchange, you will have a chance to learn and interact with the industry's brightest minds and thought leaders. This event also offers an opportunity to view industry support of VMAN by DMTF member companies.

Check out the [Content Catalog](#) for the latest information on the valuable sessions and interactive hands-on labs you will experience this year. Don't delay; hotels are

booking up fast.

[Register now](#)

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For More Information

DMTF Membership

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EVENTS

Register Now for SVM'09 in Wuhan, China

DMTF continues its efforts to bring members of the world's technology industry together and is again hosting the third annual Systems and Virtualization Management Academic Workshop ([SVM'09](#)).

This event will be held September 22–23, 2009 in Wuhan, China. The workshop is dedicated to academic research on standards for new technologies in systems and virtualization management, with a focus this year on "Standards and the Cloud." It will feature refereed papers by presenters from across the globe, including China, Germany, Korea and the United States.

Registration for this event is now open. Most attendees will need to obtain a travel visa in order to visit China and attend this event. Please be aware that obtaining a Chinese Visa may take some time, so if you plan to attend SVM'09, start the process now. Information on how to obtain an invitation letter for this event, along with travel and hotel information, and the registration form are available on the [SVM'09 Web site](#).

Don't miss this opportunity to hear about the latest research in this space from the academic world. [Register now](#) to attend this event. If there are any questions, please feel free contact us at svm09@dmtof.org.

Learn about DMTF Initiatives and Standards at the Fifth Annual MDC

The Fifth Annual Management Developers Conference ([MDC](#)) will be held at the Santa Clara Marriott in Santa Clara, CA November 16–19, 2009. The Management Developers Conference is the industry's only developer conference dedicated to standards based systems and network management technologies.

MDC is the premier educational event for DMTF members. This conference is a perfect opportunity for DMTF members to be trained on developing standards by industry and technical experts.

Don't miss this opportunity to accelerate your learning curve and get the inside track on developing and deploying standards-based enterprise management solutions.

Industry experts and DMTF members will present sessions on DMTF-based initiatives and standards including CIM, CDM, DASH, SMASH, VMAN, WBEM and WS-Management, to name a few. DMTF members will receive an additional 15% discount when they register. [Click here](#) to redeem the member discount.

Please [click here](#) for more information about MDC. We hope to see you there!

REGULARS

2009 Survey Results: What is the most important provider interoperability feature for your company?

In this series, DMTF continues to report findings from its annual member survey conducted in January 2009. One hundred twenty-five members responded at length to our survey.

We asked members to tell us the most important provider interoperability

feature for their companies. Hereís what they said:

Answer Options	Response Frequency	Response Count
For any CIM/WBEM Server to work with my provider	28.0%	35
For any CIM/WBEM Server to support plug & play and isolation of providers	15.2%	19
Support for multiple providers for a single class within a CIM namespace	12.0%	15
I don't know	42.2%	53
Other (please specify)	2.4%	3

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