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

Message from the Chairman: Our Alliances Further Innovation

By Mike Baskey, DMTF Chairman

This month, I'd like to highlight the growing set of [strategic alliances](#) that DMTF has developed with related technology groups to significantly enhance our collective impact on the industry. We encourage DMTF members to think of ways to optimize these existing relationships, as well as seek new opportunities for additional engagements.

Many of you may be aware of our alliance with [SNIA](#) (Storage Networking Industry Association) and the creation of the SMI-S (Storage Management Initiative Specification). DMTF models and profiles form the foundation of that initiative, which is a testament to how these two groups continue to collaborate to revolutionize storage management. This month, we are announcing our relationship with [The Green Grid](#), a new, cutting-edge organization that will leverage the work we have done in server management with [CIM](#) (Common Information Model) and [WBEM](#) (Web-Based Enterprise Management) to build

Upcoming Events

March 25-28, 2008
[2008 DMTF Alliance Partner Technical Symposium](#)
San Jose, California

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

For More Information

[DMTF Membership](#)
503.220.1655 (main line),
503.296.2432 (fax) or visit the
[DMTF Web site](#).

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DMTF.

a set of standard services for managing energy in the data center.

By working across the spectrum of our alliances, DMTF gains the ability to help build a comprehensive set of management solutions across the breadth of resource domains, with additional depth provided by experts in the fields of telecom ([TM Forum](#)), grid/virtualization ([Open Grid Forum](#)), blades ([Blade Systems Alliance](#)), printers ([Printer Working Group](#)), and many others.

As part of these alliances, we are also facing new challenges in working with existing models. A good example is the initiative with [TM Forum](#) around [CIM-SID](#) synergy—where we need more of a federated model. Our recent [CMDDB federation](#) specification is another example. Sharing intellectual property between organizations and collaborating with the subject domain experts to capitalize upon our respective expertise in the core models are a few of these new challenges that we're working through.

We are also pursuing another level of alliance partnerships to facilitate work with various vertical industries, such as retail, health, finance and manufacturing. With these industries, vendors are realizing the value of aligning their specific models with those of the global IT industry. This helps these vertical industries that are reliant on good IT practices to deliver better products and service to their customers, and opens up a new level of alliances for DMTF. For example, several standards organizations from the retail vertical industry have already started discussions with DMTF on how they might best leverage CIM.

DMTF is rapidly evolving, bringing more opportunities to shape the industry. We invite you, our members, to both bring forward ideas for future developments, as well as help us execute on our alliance work registers (which our VP of Alliances, Mark Carlson, manages and maintains). I encourage you to check out the current set of [alliance partners](#) and read the work registers, think of ways to optimize these relationships, as well as seek opportunities for additional engagements. We can all be stronger by working together, both within DMTF and within the industry.

Please contact me with any questions or comments at chair@dmtof.org.



Mike Baskey
DMTF Chairman

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Welcome New Members

[Fortisphere, Inc.](#)
[Olocity](#)
[RITELUR S.A.](#)



Latest DMTF Releases

[DMTF and The Green Grid Join Forces to Advance Interoperability of Energy-Efficient Technology Solutions](#)

Feb. 4, 2008

Thank You for Taking the 2008 DMTF Membership Survey

We would like to thank you for participating in the 2008 DMTF membership survey! Your feedback is pivotal to the continued growth and success of DMTF, and will help the organization set priorities and allocate resources. The input garnered from the survey will be used to identify how our technical, marketing and interoperability programs can better meet the needs of our members going forward.

Keep an eye out for future newsletters throughout 2008 as we begin highlighting questions from the survey and your responses to those questions.

Thank you again! We appreciate your hard work and continued effort.

Remember to Renew Your Membership for 2008

Later this month, DMTF will issue membership renewal invoices. If you haven't done so already, now is the time to renew your membership – the DMTF's dues remain among the lowest in the industry, maximizing the number of individuals and organizations that can take an active role.

Payment for the next membership year is due by April 1, 2008 (which also marks the beginning of DMTF's fiscal year) and your timely renewal helps keep our administrative costs down. We're pleased to offer existing members several payment options. These options and additional information regarding renewals are available online.

If you have questions about this year's membership dues or your invoice, please [contact the DMTF secretary](#), Kes Wold.

FEATURES

Seven Preliminary Specs for Member Review

USB Redirection Profile

A preliminary release 1.0.0a of the USB Redirection Profile ([DSP1077](#)) has been announced. DSP1077, prepared by the DMTF [Server Management Working Group](#) (SMWG), extends the management capabilities of referencing profiles and provides the capability to manage USB redirections provided by the system. For keyboard, video, and mouse (KVM) devices, this profile should be used if the devices are to be managed as USB devices. Otherwise, the KVM Redirection Profile ([DSP1076](#)) should be used.

USB Redirection Profile to CLP Mapping Specification

DMTF has issued a 1.0.0a release of the USB Redirection Profile to CLP Mapping Specification ([DSP0837](#)), also owned by the SMWG. DSP0837 defines the [SM CLP](#) (Server Management Command Line Protocol) mapping for [CIM](#) (Common Information Model) elements described in the [USB Redirection Profile](#). The information in this specification, combined with SM CLP-to-CIM Common Mapping Specification V1.0, is intended to be sufficient to implement SM CLP commands relevant to the classes, properties and methods described in the USB Redirection Profile using CIM operations.

Media Redirection Profile to CLP Mapping Specification

This month, DMTF issued a preliminary release 1.0.0a of the Media Redirection Profile to CLP Mapping Specification ([DSP0843](#)). Prepared by the SMWG, DSP0843 contains the requirements for an implementation of the SM CLP to provide access to -- and implement the behaviors of -- the Media Redirection Profile ([DSP1086](#)).

Media Redirection Profile

Version 1.0.0a of the Media Redirection Profile ([DSP1086](#)) has also been released by DMTF. Prepared by the SMWG, this profile extends the management capabilities of referencing profiles and provides the capability to manage Media redirections provided by the system. The target audience for this specification is implementers who are writing CIM-based providers or consumers of management interfaces that represent the components described in this profile.

Standard metric registries: Various working groups within DMTF are defining standard metrics for their management domains. Often these metrics have overlapping semantics with the key difference between them being the context in which they are used. In order to avoid duplication and reduce the number of standard metrics defined by DMTF, there is a need to coordinate the definition of the metrics and consolidate them in a single canonical source. The single canonical source for standard metrics defined by DMTF will be one or more metric registries. This allows multiple specifications (such as two profiles) to reference the same standard metric definition embodied in the metric registry, rather than potentially duplicate definitions in line.

The standard metric registries will be XML documents published by DMTF. Preliminary releases of the standard metric registries are:

- **Standards Metrics Schema** ([DSP8020](#)) defines an XML schema governing the format and content of a standard metric registry.
- **Metrics Class Template Generation XSL** ([DSP8025](#)) automates the process of exporting a MOF representation of an instance of the CIM_BaseMetricDefinition class that corresponds to a standard metric.
- **Statistics Class Generation XSL** ([DSP8024](#)) automates the process of exporting the MOF representation of a sub-class of CIM_StatisticalData that corresponds to one or more standard metrics.

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

DMTF Goes Green

This month, DMTF announced a plan to work with [The Green Grid](#) to develop standards designed to improve interoperability of technology solutions within the data center. DMTF and The Green Grid plan to collaborate to develop an interface for heterogeneous management, across data centers, and for IT and non-IT equipment.

The Green Grid is a global consortium chartered to develop energy efficiency standards, processes, measurements and technologies for global data centers and business computing ecosystems. As DMTF is an industry organization leading the development, adoption and promotion of interoperable management initiatives and standards, DMTF will support The Green Grid in reaching its mission.

To read the press release announcing the formal alliance between DMTF and The Green Grid, [click here](#).

On February 5-6, The Green Grid is hosting its [Technical Forum](#) at the Parc 55 Hotel in San Francisco, Calif. The event is designed to further The Green Grid's mission of advancing energy efficiency in data centers and business computing ecosystems. Attendees will learn about The Green Grid's Data Center Metrics, current and emerging techniques for managing data centers for efficiency, and future technical deliverables from the organization. The Green Grid will also host discussions with leading industry policy-makers from around the world. For event registration and agenda information, [click here](#).

From the VP of Finance: How You Support the DMTF Mission

By Jishnu Mukerji, DMTF VP of Finance

As DMTF's VP of Finance, my main responsibility is to help manage the finances of the organization. I do this in collaboration with DMTF Secretary Kes Wold, DMTF President Winston Bumpus, and the other DMTF VPs.

While much of the activity within this executive office role is fairly invisible to most members, it plays a critical role in keeping the machinery of the organization well oiled with funds. With the help of the DMTF leadership team, we focus upon three major functions:

- Planning – creation and maintenance of budgets for the overall organization, including each Committee and Forum.
- Managing dues collections, payments and tracking
- Audits, Tax Returns, Tax Exempt Status and Regulatory Compliance

One aspect that is readily visible to members is the collection of annual membership dues. Invoices for membership dues will be distributed in February, with payments due on April 1, 2008, which also marks the beginning of DMTF's fiscal year.

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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@dmtf.org.

Featured Q&A

Question:

How can I learn more about DMTF?

Answer:

For more information on DMTF and its activities, visit the [DMTF Web site](#) to learn about our technologies and latest developments. You can also [sign up online](#) for DMTF email updates, and receive [Management Matters](#), the organization's monthly newsletter.

Quote of the Month

Charlie Babcock said, in an excerpt from “The Future of Virtualization and What That Means for CIOs” in an [Aug. 21, 2007](#) article from *InformationWeek*:

“Server virtualization will be followed by desktop virtualization; storage is already virtualized or is well on its way toward being virtualized; network access, network resource management, is or will be virtualized along with these other developments. As most of the data center resources become virtualized, it will be possible to move to new ways of doing things. Virtualization will cease to be a feature of some elements of the data center. Rather, data centers enjoying a high degree of virtualization will be the standard way of doing business.”

Member Feedback Welcomed

We are continually improving our newsletter and welcome your input. Please send any comments or suggestions to press@dmtof.org.

From the VP of Finance: How You Support the DMTF Mission – Cont'd

Our team appreciates your timely payment of membership dues! This enables us as an organization to spend more time and energy on all the projects that contribute to the core DMTF mission.

We hope that you will take the time to [renew your dues](#) promptly. DMTF membership provides many valuable [benefits](#), including:

- Front-line access to DMTF standards
- The opportunity to participate in the process of defining these standards
- The synergy of working with others who are addressing similar implementation issues

For more information about the VP of Finance role, or if you have questions about membership dues, please feel free to contact DMTF or me, Jishnu Mukerji, VP of Finance, at treasurer@dmtof.org.

REGULARS

2007 Member Survey Results: Interoperability

In this series, DMTF continues to report on findings from its annual member survey conducted in January 2007. About 135 members responded at length to our survey. We asked the members to select the most important interoperability priority for their company.

Most Important Interoperability Priority for Member Companies	
	Percent Response
For any CIM/WBEM Server to work with my WBEM client	20.7%
For any CIM/WBEM Server to work with my provider	19.3%
For any CIM/WBEM Server to support plug & play and isolation of providers	11.1%
Support for multiple providers for a single class with a CIM namespace	8.9%
Support for a variety of methods for a CIM/WBEM Server, to communicate with other clients (e.g. RMI)	8.1%
Don't Know	28.9%
Other: <ul style="list-style-type: none"> • SMASH Interoperability • Installation and productization • For non-CIM based applications to expose management data to CIM-based clients • More profiles 	3%