

News from the DMTF

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DMTF and The Green Grid Address Power and Cooling

DMTF and [The Green Grid](#), long-standing [alliance partners](#), are working together to address power and cooling in the data center. This work includes data center infrastructure management (DCIM) power and cooling schemas, which will be part of the [DMTF's Redfish®](#). In addition, The Green Grid is planning to reference established DMTF management technologies in its ongoing work on DCIM platforms.

“Efficient power and cooling are critical concerns in converged IT infrastructure management,” said Jeff Hilland, DMTF president. “The goal of Redfish is to publish a standard software defined data center API for managing all the components in the data center, and collaborating with The Green Grid – the key consortium that works to improve IT and data center resource efficiency around the world – on these new schemas will enable solutions and optimizations never before possible with a single, open industry standard.”

“Our strong, cooperative relationship with DMTF has given experts from The Green Grid member companies the ability to help define DMTF Redfish schema for power and cooling equipment. These schema improve DCIM products’ ability to create a holistic data center management experience,” said Roger Tiple, president and chairman of The Green Grid. “The Green Grid’s members hold the engineering expertise to develop practical frameworks for improved resource efficiency. Together with DMTF, we are providing a more consistent equipment instrumentation interface for inventory, monitoring, configuration and lifecycle maintenance for data center equipment.”

DMTF’s Redfish is designed to meet the expectations of end users for simple and secure management of modern scalable infrastructure. An open industry standard specification and schema, Redfish specifies a RESTful interface and utilizes defined JSON payloads to help customers integrate solutions within their existing tool chains.

The Green Grid’s [Redfish API Utilization project](#) is developing prescriptive recommendations for architectural reference descriptions that incorporate manageability interfaces based on Redfish REST services, examples of equipment representation using Redfish-aligned data definitions and schema, and analysis of the value proposition for tools and evaluation algorithms using Redfish REST service APIs.

The initial work-in-progress schemas are available for public review in [DSP-IS0005_0.1a - Redfish DCIM Artifacts](#). The public is invited to provide input and comment on this work via the DMTF [Technology Submission and Feedback Portal](#).

To learn more about Redfish, click [here](#) or -- for developers -- visit the [Redfish Developer Hub](#), a one-stop, in-depth technical resource with all the files, tools, community support and education you may need to help you use Redfish. To participate in the development of Redfish, please join the DMTF’s [Scalable Platforms Management Forum \(SPMF\)](#).

To get involved in The Green Grid’s Power and Redfish API work groups and its development of best practices for DCIM systems, [join the association](#).

DMTF Releases Redfish 2017.2

DMTF continues to address converged IT infrastructure management with a new update to [Redfish®](#). Continuing the standard’s aggressive development to cover customer use cases and technology, [Version 2017.2 of the Redfish Schema](#) and [version 1.3.0 of the Redfish Specification](#) are now available for public download.

The goal of Redfish is to publish a standard API to meet customer demands for simple and secure management in modern Software Defined Data Center (SDDC) environments, and it was [recently announced](#) the standard is being expanded to address Data Center Infrastructure Management (DCIM), as well. The latest release includes updates to the Base Message Registry and more – view the [overview presentation](#) for details and visit www.dmtf.org/standards/redfish for more

Learn Redfish Storage Modeling with New Video Tutorial

The latest installment of the DMTF's popular ["Redfish® School" YouTube series](#) is now available, addressing storage modeling using the Redfish API. This new [mini technical webinar](#) includes an overview of storage resources, as well as a walk-through of a common use case: Direct Attached Storage (DAS).

The three DAS examples featured include SATA drives with a single storage controller, a single RAID controller, and high availability (HA) RAID controllers. ["Redfish School – Storage Modeling"](#) joins the other videos in the series, which kicks off with [Why Redfish?](#) – a video overview of the standard – followed by videos covering the Redfish Model [Architecture](#) and [Common Properties](#), as well as [Chassis](#), [Systems](#), [Managers](#), and more.

Visit the [DMTF's YouTube Channel](#) to view all of the organization's videos, and be sure to subscribe to stay up-to-date with our upcoming webinars!

Congratulations to DMTF's New VP of Marketing

Please welcome [Patrick Caporale](#) as DMTF's Vice President of Marketing. In this role, Patrick is responsible for overseeing the Marketing Task Force, which directs the overall industry marketing and communications efforts of the organization.

"I have been an active member of the DMTF for several years, participating in activities throughout the organization," said Caporale. "I'm looking forward to directly working with the Marketing Task Force as DMTF continues to create open manageability standards designed to improve the interoperable management of information technologies."

Upcoming Events

LISA17

October 29 - November 3
San Francisco, CA

CNSM

November 26 - 30
Tokyo, Japan

Click [here](#) for the latest information on DMTF Events.

Register Now for CNSM and DMTF-Sponsored Mini-Conference

Employed by DMTF Board member company [Lenovo](#), Patrick is a Senior Engineering Staff Member responsible for I/O Architecture within the Data Center Group. Patrick is currently an I/O architect for Lenovo's x86 platforms, leading a team of engineers to deliver the latest generation of data center products. He has over 20 years of experience within the server, storage, and networking product groups at IBM and Lenovo. In addition to his role as DMTF's vice president of marketing, he is also the co-chair of the [Platform Management Components Intercommunication \(PMCI\) Work Group](#), where he has been the editor and contributor to many specifications.

Patrick holds a Bachelor's degree in Electrical Engineering from Manhattan College and a Master's degree in Electrical Engineering from Columbia University.

We look forward to Patrick's leadership and insight on the Marketing Task Force!

Get your DMTF Member Discount for LISA17!

DMTF is proud to be an Industry Partner of LISA17, USENIX's 31st annual [Large Installation System Administration Conference](#), being held October 29–November 3, 2017, in San Francisco. [Register](#) and [book](#) your hotel room by **Monday, October 9**, to take advantage of Early Bird pricing, and enter the discount code **LISA17DMTFDIS** to save an additional \$50 off your registration total, exclusively for [DMTF members](#) (offer does not apply to Expo-only registrations, extra reception tickets and continuing education units).

The premier vendor-neutral meeting place for

This year, DMTF is co-sponsoring the 13th International [Conference on Network and Service Management \(CNSM\)](#). CNSM is the premier annual single-track conference in the general area of network and service management. The CNSM occurs November 26th-30th in Tokyo, Japan at Waseda University.

Two international workshops will also be hosted during this conference: "[Workshop on Management of SDN and NFV Systems \(SDN/NFV\)](#)" and "[Workshop on Internet Charging and QoS Technologies \(ICQT 2017\)](#)". [Registration](#) is now open.

Recent DMTF Specifications

[DSP0261_1.2.0 - NC-SI over MCTP Specification](#)

[DSP2033_1.1.0 - DMTF Glossary](#)

[DSP8011_2017.2 - Redfish Standard Registries](#)

[DSP8010_2017.2 - Redfish Schema](#)

[DSP0266_1.2.1 - Redfish Specification](#)

[DSP0266_1.3.0 - Redfish Specification](#)

Upcoming Meetings



10/19 Board Meeting

11/16 Board Meeting

12/14 Board Meeting

the wider system administration community, the [LISA17 program](#) addresses the overlap and differences between traditional and modern IT operations and engineering, and offers a highly curated program around three topics: architecture, culture and engineering.

Join DMTF and the USENIX community in San Francisco for this annual event!

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DMTF on YouTube

Check our latest videos and be sure to subscribe to the [DMTF YouTube Channel](#) to stay up-to-date with our current and upcoming webinars.

Newsletter Feedback

We welcome your input on what you'd like to see included here – just [Contact Us](#) online and share your suggestions!

Information about the DMTF and how to participate can be found at www.dmtf.org.

Contact us online [here](#).

About DMTF

The DMTF creates open manageability standards spanning diverse emerging and traditional IT infrastructures including cloud, virtualization, network, servers and storage. Member companies and alliance partners worldwide collaborate on standards to improve the interoperable management of information technologies. The organization is led by a diverse board of directors from Broadcom Limited; CA Technologies; Dell Inc.; Hewlett Packard Enterprise; Hitachi, Ltd.; HP Inc.; Intel Corporation; Lenovo; NetApp; Software AG; Vertiv; and VMware, Inc.



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