News from the DMTF

DMTF ◗ Newsletter

December 2018

Issue Highlights

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A Year-in-Review with Jeff Hilland

Every year in our December issue, we take the opportunity to pause and reflect on the last twelve months. As we wrap up another highly productive year for DMTF, I'm happy to highlight the vast list of accomplishments the organization achieved in 2018:

Technical Milestones

Redfish

Technical work on the Redfish® standard takes place in DMTF's Redfish Forum (formerly known as the Scalable Platforms Management Forum, or SPMF), with significant progress this year including:

- In April, DMTF announced that its Redfish standard has been adopted and published by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) as ISO/IEC 30115:2018. Redfish's publication by ISO/IEC as an International standard for Information Technology is expected to further accelerate worldwide adoption and interoperability.
- Redfish 2018.1 was released in May, with additional schemas for LDAP/ActiveDirectory support, as well as Server Sent-Eventing (SSE), and more. As part of the Redfish 2018.1 release, DMTF also debuted its new Redfish Resource and Schema Guide – a human-readable guide to the Redfish Schema to help educate users of Redfish.

- In September, updated Redfish DCIM Schemas were released as version 0.8 of the Redfish Data Center Equipment (DCIM) Model.
- Also in September, Redfish version 2018.2 was released, adding support for OpenAPI 3.0, as well as telemetry streaming and eventing, and improved event subscription methods.
- Redfish version 2018.3 is expected by year-end.

PMCI Working Group Standards

DMTF's Platform Management Components Intercommunication (PMCI) Working Group defines standards to address "inside the box" communication interfaces between the components of the platform management subsystem. Among the notable technical milestones in 2018:

- DMTF released the new Platform Level Data Model (PLDM) for Redfish Device Enablement Specification in March as a Work in Progress. This standard enables a management controller to present Redfish-conformant management of I/O adapters in a server, without the need for code specific to each adapter family/vendor/model.
- In August, DMTF shared plans for the next version of the PLDM for Firmware Update Specification, offering new details in a public presentation that outlines the work underway.
- Also this year, DMTF formed a new PMCI Security Task Force and published its plans and scope of work for aggressive development of a new PMCI security specification.

CIM

DMTF continues to provide a steady cadence of updates to the Common Information Model (CIM):

- With the release of the CIM Schema, version 2.50 in January, DMTF marked an impressive milestone - fifty updates to CIM since the launch of 2.0.
- CIM 2.51 was also released in 2018, continuing to provide common definitions of management information for systems, networks, applications and services.

SMBIOS

DMTF's System Management BIOS (SMBIOS) is one of the most widely-used IT standards in the world, simplifying the management of more than two billion client and server systems since its release in 1995.

- In May, DMTF released Version 3.2 of the System Management BIOS (SMBIOS) Reference Specification, the latest update to the premier standard for delivering management information via system firmware.

Alliances and Open Source

- New official work registers were established in 2018 with Broadband Forum (BBF), PCI Industrial Computer Manufacturer Group (PICMG), MIPI Alliance, and The Gen-Z Consortium. In addition, a three-way alliance was announced in April with DMTF, NVM Express, Inc. and the Storage Networking Industry Association (SNIA).
- DMTF's close relationship with the open source community continued in 2018, with active participation on DMTF's external GitHub repository and additional open source tools provided for testing, validation, and other areas.

Education and Events

- DMTF greatly improved and expanded the Education area of its website this year, offering

a showcase of the latest resources and direct links to the organization's [Presentations](#), [White Papers](#), [Webinars](#), [Open Source](#) information, and [Newsletter](#) sign-up.

- The [Redfish Developer Hub](#) also received a major overhaul in 2018, with upgraded navigation and the addition of even more in-depth technical resources and education for developers.
- [DMTF's YouTube channel](#) and the popular ["Redfish School" series](#) remained active this year, with new mini-tutorials explaining the use of [Tasks](#), [Events](#), and [Advanced Communication Devices](#) in Redfish. For a big picture perspective, [The Case for Redfish](#) video explains the environment before the Redfish API was developed, why it was needed and how the standard has reinvented IT management. The organization also shared a new video in 2018 on the [Benefits of DMTF Membership](#), with an overview of the organization and its standards efforts, along with an examination of how technology standards help the industry at large.
- Continuing its high profile industry presence, this year DMTF once again co-hosted the [Alliance Partner Technical Symposium (APTS)](#), the site of some of the most important face-to-face technical work of the year. Other event activity included [DMTF presenting and showcasing Redfish at the OCP U.S. Summit](#) in March, presenting on the [Redfish ecosystem at SNIA's Storage Developer Conference](#), and exhibiting with [Redfish at the SC18 conference](#) in November.

International Activity

- As part of its global outreach and standardization work, DMTF provides resources and information for users and developers worldwide. Our [Regional Chapter in China](#) and [Regional Task Force in Japan](#) each offer websites where visitors can access translated DMTF documents and specifications. In 2018, the Redfish Tech Note was translated into [Chinese](#), and new Japanese subtitles were added to videos from DMTF's popular ["Redfish School" YouTube video series](#), including [Redfish Model: Architecture](#); [Introduction to CSDL](#); and [CSDL Usage](#).
- DMTF's Regional Chapter in China continues to post all DMTF video webinars on its [Youku channel](#), providing accessibility to our Chinese audience.
- The organization continued to further its global presence with participation in numerous international events. At [Japan IT Week](#) in May, DMTF presented and exhibited in the expo. DMTF also presented in Beijing, China at the [Open Data Center Committee](#) (ODCC) Summit in October, as well as at the China Cloud Computing Conference in December. In addition, the organization once again sponsored a mini-conference at the [International Conference on Network and Service Management (CNSM)](#) in Rome in November.

It has clearly been a busy year for DMTF! I hope all of our members and valued volunteers take a moment to feel pride in these achievements – without you, none of it would be possible. Thank you for a highly successful 2018, and we have plans for much more to come in 2019.

Prepare Now for 2019 Membership Dues and Changes

As we begin to plan for our next fiscal year (April 1, 2019 - March 31, 2020) the DMTF Board of Directors has made a few adjustments to our future membership levels. The organization has not had a change in membership levels or fees for over 10 years and as the Board evaluated upcoming 2019 initiatives and deliverables, some changes have been made.

The increase planned for the next fiscal year allows the DMTF to keep pace with inflation and maintain the high levels of service DMTF members have come to expect.

For more information on the membership levels and new fee structure go to www.dmtf.org/join/levels.

Membership dues at the Leadership level will go from $12,000 to $14,000, while Participating members' dues will go from $6,000 to $8,000. Board companies, who are elected to their positions, will also see an increase, with a new rate of $32,000. We will no longer offer the Monitoring level membership.

"DMTF dues remain a true bargain, especially when compared to those of other leading standards bodies," says Mark Nicolas, vice president of membership, DMTF. "With key technical developments taking place in the DMTF, the organization continues to be the ideal forum for industry-leading companies to come together – in a collegial and established environment – to collaborate on interoperable management standards."

With members from 43 countries and local bodies in China and Japan, DMTF creates and drives the international adoption of its standards, which are internationally recognized by ANSI and ISO. When your Company participates in DMTF, with its well-established IP policies and a streamlined approval process that promotes early adoption, you are provided the opportunity to contribute to the definition and development of interoperable management standards, supporting implementations that enable the management of diverse technologies including cloud, virtualization, network and infrastructure.

The purpose of this advanced notice is to allow DMTF members to initiate any approvals necessary and to budget accordingly within your company's 2019 financial plans. The first annual invoice you will receive with the new amount will be sent in February of 2019, for the April 1, 2019 - March 31, 2020 fiscal year. If you have any questions, feel free to contact Mark, at vp-membership@dmtf.org.

In Case You Missed It

Upcoming Events

SNIA Annual Members Symposium
January 24-25, 2019
Santa Clara, CA

2019 Open Compute Project Global

New Redfish Video:

Using Sessions for Security

In the latest installment of DMTF's popular ["Redfish® School" YouTube series](#), viewers can learn more about how to use [Redfish Sessions](#).

For security purposes, user credentials must be provided to Redfish for virtually all resources, either through Basic Authorization or via the establishment of a Session. While Basic Authorization is the equivalent of logging in and logging out on each operation, once a Session is established the credentials are used on subsequent operations – greatly improving speed and efficiency. Learn more about how to create and use [Redfish Sessions](#) in this new mini-tutorial video.

All "Redfish School" mini-tutorials and videos can be viewed on the [Redfish webinars page](#) on the [Redfish Developer Hub](#). In addition, the full library of DMTF videos is available on the [Webinars](#) page in the DMTF website's [Education](#) section.

These videos are also available directly on [DMTF's YouTube channel](#), so don't miss out when we post something new – click [here](#) to subscribe to our YouTube channel today!

DMTF Announces 2018 Star Award Recipients

Each year, the DMTF [Star Awards Program](#) recognizes members who have demonstrated great value to the organization through the dedication of their time and efforts to advance DMTF standards and initiatives. The 2018 Star Awards recipients

DMTF and MIPI Alliance to Collaborate

DMTF and [MIPI Alliance](#) recently announced plans of collaboration to help ensure the two organizations' standards are coordinated and aligned. MIPI Alliance is a collaborative global organization serving industries that develop mobile and mobile-influenced devices.

MIPI I3C^{SM} is a bus interface for connecting sensors to an application processor, which can be used to combine multiple sensors from different vendors. As part of this alliance, the organizations will collaborate on extensions to DMTF's [Platform Management Components Intercommunication (PMCI)](#) standards, including planned development of a new Management Component Transport Protocol (MCTP) over I3C binding.

The work register detailing this Alliance Partner relationship is available in PDF [here](#).

Need a DMTF Logo for your Marketing Materials?

We've got you covered!
Email press@dmtf.org for the DMTF and/or Redfish logo files as well as the most current Logo Usage Guidelines and Graphic

include Jeff Autor (Hewlett Packard Enterprise), Patrick Boyd (Dell Inc.), Samer El-Haj-Mahmoud (Lenovo), Fumi Iikura (Fujitsu Laboratories Ltd.), Yuval Itkin (Mellanox Technologies), Robert Keyes (Wold Consulting), Barry Kittner (Intel Corporation), Balaji Natrajan (Microchip Technology Inc.), Scott Phuong (Cisco Systems, Inc.), Michael Raineri (Dell Inc.), Bill Scherer (Hewlett Packard Enterprise), Patrick Schoeller (Hewlett Packard Enterprise), Jim Shelton (Vertiv), and Bob Stevens (Dell Inc.).

The DMTF is proud to acknowledge these members for going above and beyond and contributing to the success of the organization. Our thanks and congratulations to all!

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.

Click Here to Get All the Latest News Delivered to Your Inbox!

Information about the DMTF's leadership technologies and how to participate can be found at www.dmtf.org.
Contact us online or reach us at http://www.dmtf.org/contact.

Standards. We've recently updated the usage guidelines to include the use of the Redfish logo on a dark background.

Recent DMTF Specifications

[DSP0261_1.2.1 – NC-SI over MCTP Binding Specification](#)

Welcome New Members

[Eaton](#)
[EXTEN Technologies, Inc.](#)

Newsletter Feedback

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

Upcoming Meetings

12/13 Board Meeting
1/24 Board Meeting
2/21 Board Meeting

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 Inc.; CA Technologies; Dell Inc.; Hewlett Packard Enterprise; Hitachi, Ltd.; HP Inc.; Intel Corporation; Lenovo; NetApp; Software AG; Vertiv; and VMware, Inc.