



## February 2017

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## What's Ahead for 2017

After wrapping up a stellar year (review DMTF's [long list of 2016 accomplishments in our December issue](#)), some might expect a slower 2017 – but that couldn't be further from the truth! DMTF is building on this momentum and moving forward with significant developments on a number of fronts. With the new year underway, we wanted to take this opportunity to share a sneak peek into just some of the achievements we expect to see in the year ahead.

DMTF's [Scalable Platforms Management Forum \(SPMF\)](#) is continuing its aggressive development of the [Redfish™ API](#), and will be releasing new schemas every few months. Expect to see this groundbreaking standard continue to expand to meet the needs of the industry, as with the newly released Redfish Host Interface (see following article for details).

This year we can also look forward to a steady stream of new [Redfish mockups](#) and other advanced education that can be found on the [Redfish Developer Hub](#), a one-stop, in-depth technical resource that provides developers with Redfish API files, the full [Schema Index](#), tools, support, and more. In 2017, SPMF will add to the number of new tools shared with the open

source community in its [Redfish Tools repository on GitHub](#), and the group will continue to expand the [Redfish User Forum](#), a platform to discuss everything from service implementations to feature requests. Additionally, we expect to see standards and proposals for Redfish that address Composability, as well as, Ethernet Switching in the coming months.

In addition, be sure to [subscribe to DMTF's YouTube channel](#), as we have numerous new additions to the “Redfish School” series of brief technical video presentations on the way!

As the DMTF continues its dedication to innovation and process alignment this year, all of the organization's Working Groups are building on our collaborative structure to facilitate cohesion and interoperability across DMTF standards. Recent releases from [SMBIOS](#), [PMCI](#) and [SPMF](#) – seamlessly addressing both internal- and external-facing system management – have demonstrated the power of this approach.

In 2017, the [Common Information Model \(CIM\)](#) – the standard where DMTF's modeling began – will continue its cadence of new releases every four months, and the just-updated [DASH Conformance Test Suite](#) (see below article for details) paves the way for additional interoperability advancements.

DMTF's outreach activities this year continue to demonstrate that the organization is the ideal forum for industry leading companies to come together in a non-competitive environment to work together on relevant interoperable management standards. In addition to participating in numerous conferences and events, in 2017 DMTF will once again co-sponsor the International Conference on Network and Service Management (CNSM), as well as the Alliance Partner Technical Symposium (APTS). The organization also maintains its commitment to collaborating with other standards bodies through numerous alliance partnerships, which can result in important extensions of DMTF standards (such as [SNIA's Swordfish](#)).

DMTF also continues to grow its global presence – capitalizing on the reach of its members from 43 countries and local bodies in China and Japan – and we expect to see more [translations of DMTF specifications](#) in the coming year.

It's an exciting time in the DMTF, and the collective hard work and leadership of our members make it all possible. If you are not yet a member, we invite you to learn more and join us at [www.dmtf.org/join](http://www.dmtf.org/join). Thank you in advance to all of our volunteers and we look forward to the year ahead!

-Jon Hass, Board Chair

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## Redfish Host Interface Network Model Just Released

DMTF's innovative [Redfish standard](#) continues its fast progression, thanks to the dedicated efforts of the [Scalable Platforms Management Forum \(SPMF\)](#). To date, Redfish has focused on defining a TCP/IP-based out-of-band interface between a client and a management controller. Today, the

newly available Redfish Host Interface Specification expands these capabilities to allow applications and tools running on an Operating System - including in the pre-boot (firmware) stage – to communicate with the Redfish management service.

Every device exposes an interface to the host software (Operating System or Hypervisor). Management controllers are no different, and this standard modernizes this interface to equalize the capabilities of “in-band” or “host-based” applications with remote applications using Redfish.

To learn more about Redfish or to download the Redfish Host Interface specification, please visit <http://www.dmtf.org/standards/redfish>. Developers can also 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 Host Interface Task Force, please [join the DMTF's SPMF](#).

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## DASH CTS 2.0 Now Available

Continuing its dedication to management interoperability, DMTF has just released [version 2.0 of the Conformance Test Suite \(CTS\)](#) for its [Desktop and mobile Architecture for System Hardware \(DASH\) standard](#).

DASH provides secure out-of-band and remote management of desktop and mobile systems. The DASH CTS serves to improve interoperability by validating conforming implementations. The new DASH CTS 2.0 includes the necessary updates, policies and procedures to test the latest DASH specifications, which address current requirements for managing modern hardware in a networked environment.

With DASH CTS 2.0, companies can continue to self-test their implementations and submit digitally signed results to the DASH Conformance Program Administrator (an independent third party) for validation. Once validated, participants can have their submission information included in the [DMTF Certification Registry](#).

Please visit the DMTF website to learn more about the [DASH CTS](#). To learn more or to participate in the development of DMTF conformance programs for system management standards, please see the DMTF's [System Management Forum \(SMF\)](#).

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## It's Membership Renewal Time!

As the DMTF's new fiscal year approaches, our membership renewal period is underway - please take steps today to ensure your organization is prepared to renew! Your company's billing contact should receive the invoice by the end of this month for the upcoming membership year (which runs April 1 to March 31).

To learn more, please view our webinar, [“The Benefits of DMTF Membership,”](#) and if there is any information the DMTF can provide that will be helpful to your company's renewal process, just email [admin@dmtof.org](mailto:admin@dmtof.org). Thank you for your continued support and membership in the DMTF!

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# Save the Date for APTS 2017

DMTF will host its [Alliance Partner Technical Symposium \(APTS\)](#) from July 24-28 in Portland, Oregon. Hosted in partnership with longstanding alliance partner, [Storage Network Industry Alliance \(SNIA\)](#), the symposium includes meetings focused on technical topics and addresses the technical works of interest of DMTF's alliance partners. Click [here](#) to register today!

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## Updated Specifications from PMCI Working Group

Providing a comprehensive, common architecture for improved communication between management subsystem components, the PMCI specifications enable the monitoring and control of systems when an OS is not available or functioning (for example, when a system is booting, before the OS has loaded, or when the OS is inoperable).

As adoption of PMCI standards continues to grow, DMTF recently released updated versions of the MCTP Base Specification, Platform Level Data Model (PLDM) Firmware Update Specification, and PLDM IDs and Codes Specification, which include new protocols and additional features to cover current use cases. To learn more about PMCI and to download the latest documents, please visit <https://www.dmtf.org/standards/pmci>.

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## Latest CIM Release – Version 2.48

The DMTF's [Common Information Model \(CIM\) standard](#) is widely used to provide a common definition of management information for systems, networks, applications and services. The latest update, [version 2.48](#), is now available

## Upcoming Events

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### [OCP U.S. Summit 2017](#)

March 8-9, 2017

Santa Clara, California

### [2017 DMTF Alliance Partner Technical Symposium](#)

July 24-28, 2017

Portland, Oregon

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

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## Newsletter Feedback

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

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## Recent DMTF Specifications

[DSP1071\\_1.0.0 – Multi-type System Memory Profile](#)

[DSP5001\\_2.0.0 – DASH Conformance Program 2.0 Policies and Procedures](#)

[DSP0270\\_1.0.0 – Redfish Host Interface Specification](#)

[DSP0239\\_1.4.0 – MCTP IDs and Codes](#)

[DSP2043\\_1.1.0 – Redfish API Mockup](#)

[DSP0134\\_3.1.1 – SMBIOS Reference Specification](#)

and continues the DMTF's commitment to releasing a new version of the CIM Schema every four months. To download the .zip files for the latest version, as well as individual UML Diagrams, please visit the [CIM Schema, version 2.48 page](#).

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## BrightTALK™

DMTF webinars are available live and on-demand in our learning center. Access them online to gain deeper insight into current DMTF initiatives.

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

[DSP0248\\_1.1.1 – PLDM for Platform Monitoring and Control Specification](#)

[DSP8010\\_2016.3 – Redfish Schema](#)

[DSP0266\\_1.1.0 – Redfish API Specification](#)

[DSP0266\\_1.0.5 – Redfish API Specification](#)

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## Upcoming Meetings



2/23 – Board Meeting – teleconference  
3/22-23 – Board Meeting – face-to-face  
3/23 - Annual Member Meeting

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Information about the DMTF's leadership technologies and how to participate can be found at [www.dmtf.org](http://www.dmtf.org).

Contact us online or reach us at <http://www.dmtf.org/contact>.

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## 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; Microsoft Corporation; NetApp; Software AG; TIM; Vertiv; and



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