



December 2017

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A Year-in-Review with DMTF President Jeff Hilland

Each year, I have the privilege of reviewing the many accomplishments of the DMTF for the past twelve months. I'm happy to share the top milestones for 2017 – another tremendous year for the organization!

DMTF's innovative [Redfish® standard](#) continues its fast progression thanks to the dedicated efforts of the [Scalable Platforms Management Forum \(SPMF\)](#). The goal of Redfish is to publish a standard API that meets customer demands for simple and secure management in modern Software Defined Data Center (SDDC) environments. The standard's aggressive development continued in 2017, covering additional customer use cases and technology in converged IT infrastructure management.

With 2017.3 expected before year end, [versions 2017.1 and 2017.2 of the Redfish Schema](#) and [version 1.3.0 of the Redfish Specification](#) were all released earlier this year, adding numerous advancements including support for composable infrastructure (allowing a user to compose systems using different sets of components without having to touch any hardware). In addition, the new [Redfish Host Interface Specification](#) expanded the standard's 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. The DMTF also began presenting their work to map YANG models to Redfish models resulting in Redfish models being able to manage an Ethernet switch. In March 2017, the DMTF presented their work at a recent [Internet Engineering Task Force](#) conference.

In other news, DMTF and our long-standing alliance partner [The Green Grid](#) announced we 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 Redfish. In addition, The Green Grid is planning to reference established DMTF management technologies in its ongoing work on DCIM platforms. Additionally, an alliance partnership was formed with the [American Society of Heating, Refrigerating and Air-Conditioning Engineers \(ASHRAE\)](#) to address similar issues, allowing DMTF to work with both organizations to develop a single, cohesive manageability standard leveraging Redfish.

To support those using Redfish, the organization also delivered an impressive set of educational materials. New items released this year included an updated Redfish White Paper, the Composable System White Paper, a Redfish Resource and Schema Guide, as well as new Redfish Mockups, which allows developers to interactively explore sample Redfish implementations. All of these materials can be found on the [Redfish Developer Hub](#), designed to be a one-stop, in-depth technical resource with all the files, tools, community support and education needed to help you use Redfish.

Our popular [“Redfish® School” YouTube series](#) continued to offer new mini-tutorials, with the latest videos covering storage modeling in Redfish, the Redfish Composability Model, as well as Redfish’s use of OData and the Common Schema Definition Language (CSDL). Also this year, our [Regional Chapter in China](#) launched a [new channel on Youku](#) – one of the top Chinese video websites – featuring selections from our popular “Redfish School” series of mini-tutorials.

Other technical advancements thus far in 2017 included a new release from the [Platform Management Components Intercommunication \(PMCI\) Working Group](#) – the Management Component Transport Protocol (MCTP) over SMBus/I2C Transport Binding Specification is now available in [version 1.1.0](#). The DMTF continued to regularly update the widely-used [Common Information Model \(CIM\)](#) Schema with the release of version 2.49. CIM 2.50 is expected before the end of the year, as is an update to the SMBIOS standard.

On the management interoperability front, the organization released [new versions of the Conformance Test Suite \(CTS\)](#) for its [Desktop and mobile Architecture for System Hardware \(DASH\) standard](#). With DASH Conformance Program 2.0, companies can self-test their implementations and submit digitally signed results to the DASH Conformance Program Administrator (an independent third party) for validation.

The organization continued its commitment to worldwide industry outreach and education. In March, DMTF’s Redfish booth at the [Open Compute Project \(OCP\) U.S. Summit](#) was highly successful, and in September, DMTF presented at the Open Compute Project (OCP) Engineering Workshops in Dallas, Texas.

Internationally, the DMTF China Chapter again hosted the International Cloud Computing Standardization Forum as part of the [9th China Cloud Computing Conference \(CCCC\)](#) in Beijing.

As DMTF President, I spoke at the event, which aims to introduce global cloud computing standardization achievements and future trends to the Chinese IT industry and its customers. The DMTF also recently co-sponsored the [International Conference on Network and Service Management \(CNSM\)](#) in Tokyo, Japan, once again hosting a successful mini-conference as part of that event. We will wrap up the year with a few other speaking engagements at industry events.

The organization's own annual [Alliance Partner Technical Symposium \(APTS\)](#) – co-hosted with longstanding DMTF alliance partner, [Storage Networking Industry Association \(SNIA\)](#) – was again the site of some of the most important face-to-face technical work of the year. During this year's event, members of the SPMF gathered for a plugfest around the Redfish API, with two days of rigorous multi-vendor testing designed to help ensure a consistent experience across platforms.

The DMTF continued its ongoing, active collaboration with the open source community to help encourage feedback and strengthen interoperability. We have not only seen DMTF release open source tools for testing, validation and other areas, but we have seen active participation on the DMTF's external [GitHub](#) repository. As the list of projects using DMTF standards grows, the organization created a new [webpage](#) where you can view all of the known open source projects in one place. The list continues to grow as member and non-member companies inform us of these efforts.

Looking back at this impressive list of accomplishments, I'm proud of the many volunteers who made it all possible. 2017 was another highly productive year to build upon, and we look forward to continuing this momentum into 2018 – and beyond.

2017 Star Awards and Super Star 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 2017 Star Awards recipients include Jeff Autor (Hewlett Packard Enterprise), Samer El-Haj-Mahmoud (Lenovo), Michael Raineri (Dell Inc.), Bill Scherer (Hewlett Packard Enterprise), and Bob Stevens (Dell Inc.).

Additionally, we are pleased to recognize Jon Hass (Dell Inc.) and John Leung (Intel Corporation) as this year's DMTF [Super Star Award](#) recipients – DMTF's equivalent of a lifetime achievement award. To read more about Jon and John's long list of contributions to the DMTF, visit our Super Star Awards [webpage](#). We sincerely thank Jon Hass and John Leung for the dedication of their time and efforts to the betterment and growth of DMTF.

Congratulations and a heartfelt thanks to all of the 2017 Star Award recipients!

It's Not Too Early to Think About DMTF Membership!

Mark it off the to-do-list! DMTF membership renewals are due early in the New Year, but you can renew today! Click [here](#) to join or to renew your membership.

DMTF membership offers front-line access to DMTF standards and interoperability programs, along with the opportunity to participate in the process of defining standards and programs. This important work is funded through membership dues that are among the most cost-effective in the industry. DMTF remains the ideal forum for industry-leading companies to come together in a neutral, non-competitive environment to collaborate on interoperable management standards.

To learn more about the [benefits of membership](#), or to join or renew, please visit the DMTF website at www.dmtf.org/join. Have questions? Get answers from the DMTF membership team at admin@dmtof.org.

Industry Outreach

DMTF Presented Redfish Tutorial at IEEE/ACM International Conference on Utility and Cloud Computing

DMTF President Jeff Hilland recently presented [a tutorial](#) on DMTF's [Redfish®](#) at the [IEEE/ACM International Conference on Utility and Cloud Computing \(UCC 2017\)](#), in Austin, Texas. He provided a deep dive session on the goals, architecture, protocol, data model and surrounding adoption efforts for Redfish.

UCC is the premier IEEE/ACM conference covering all areas related to utility computing, cloud computing services, and other forms of

Upcoming Events

[2018 Open Compute Project](#)

March 20-21

San Jose, CA

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

Need a DMTF Logo for your Marketing Materials?

We've got you covered!

Email press@dmtof.org for DMTF and/or Redfish logo files as well as the most current Logo Usage Guidelines and Graphic Standards. We've recently updated the usage guidelines to include the use of the Redfish logo on a dark background.

Welcome New Members

[Flex](#)

advanced distributed computing. The 10th UCC in Austin brings academics and industrial researchers together to discuss how to improve existing services and how to bring new applications into the cloud.

ICYMI - New Redfish Video Posted to YouTube – Composability

A new installment of the DMTF's popular [“Redfish® School” YouTube series](#) is available, with the latest video addressing [composability in Redfish](#). A standard API designed to meet customer demands for simple and secure management in modern Software Defined Data Center (SDDC) environments, support for composable infrastructures was added in Redfish version 2017.1.

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

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!

Upcoming Meetings



12/14 Board Meeting

1/18 Board Meeting

2/15 Board Meeting

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>.

[Click Here to Get All the Latest News Delivered to Your Inbox!](#)

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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