

**October 2019**

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New Redfish Release 2019.2 Adds Standardized Software Updates

DMTF's [Redfish®](#), [Release 2019.2](#), is now available for public download. Designed to deliver simple and secure management for hybrid IT and the Software Defined Data Center (SDDC), the latest release of the Redfish standard includes 17 schema updates, revisions to the Redfish specification, and additional developer resources. One of the highlights in the new release is the added support for standardized push-style software updates – delivered in direct response to industry feedback.

Some of the items in the new Redfish 2019.2 update include:

- [2019.2 Redfish Schema Bundle](#) – This .zip file contains the current versions of all Redfish

schema. Among the schema updates, *UpdateService* now includes a *MultipartPushUpdateUri* property to provide push-style software updates. In addition, the *PCleDevices* array inside *Links* has been deprecated in favor of new *PCleDevice* and *PCleFunction* Collections.

- [Redfish Specification v1.8.0](#) – The latest release of the specification has been updated for additional clarity and adds standard multipart HTTP for software updates. The specification also now includes *SubordinateResource* parameter for SSE, and added a fixed URI location for accessing the OpenAPI document.
- [Redfish Release 2019.2 Overview](#) – This presentation provides detailed descriptions of each revision in Redfish 2019.2.
- [Secure Boot Key Management Work In Progress](#) – This .zip file contains a Work in Progress for managing UEFI Secure Boot databases using Redfish including changes to the Redfish Schema files *SecureBoot*, *Certificate*, *CertificateCollection*, and *CertificateLocations*, as well as new Schema files *SecureBootDatabase*, *SecureBootDatabaseCollection*, *Signature*, and *SignatureCollection*. A mockup of a rack-mount server and example is also included.
- [New! Quick Start for Authoring Redfish Schema](#) – Focusing on the frequently used aspects of schema creation, this brief and easy-to-use guide helps novice Redfish developers quickly define a new Redfish Schema.
- [Redfish Resource and Schema Guide](#) – Updated for 2019.2, this human-readable guide to the Redfish Schema is designed to help educate users of Redfish. Application developers and DevOps personnel creating client-side software to communicate with a Redfish service, as well as other consumers of the standard, will benefit from the explanations in this resource.
- [Redfish Release History](#) – Updated with each new release, this presentation offers a comprehensive view of each revision to Redfish since 2016.
- [Redfish Property Guide](#) – Intended primarily for schema authors, this newly revised reference helps with locating existing property definitions within the Redfish schema.

Developers are encouraged to review these WIP schemas and provide comment before they are finalized. Please submit input via the [DMTF Technology Submission and Feedback Portal here](#).

To learn more about Redfish, click [here](#) or - for developers - visit the [Redfish Developer Hub](#) today. A one-stop, in-depth technical resource – by developers, for developers – the Redfish Developer Hub provides all the files, tools, community support, tutorials and other advanced education you may need to help you use Redfish.

Technical work on the Redfish standard takes place in DMTF's [Redfish Forum](#). To find out how you can join and contribute to this standard, click [here](#).

DMTF Releases New WIP Update to Its Security Protocol and Data Model (SPDM) Specification

DMTF's [Security Protocol and Data Model \(SPDM\) Specification, Release 0.95](#), is now available for public download as a Work in Progress (WIP). This specification – developed by DMTF's [Platform Management Components Intercommunication \(PMCI\)](#) Security Task Force – continues to incorporate the input of the organization's [Alliance Partners](#) to help align component authentication and firmware integrity across the industry.

The SPDM Specification provides message exchange, sequence diagrams, message formats, and other relevant semantics for authentication, firmware measurement, and certificate retrieval. In addition to releasing regular WIP specifications for industry feedback, DMTF [has shared its plans for Session Keys in SPDM 1.1](#), as the organization continues to work on an aggressive development schedule.

Designed to be referenced by other standards organizations and developers, DMTF invites public comment on the SPDM WIP specifications before they are finalized. Feedback may be submitted on our website at <https://www.dmtf.org/standards/feedback/>.

Redfish Celebrates Anniversary by Honoring Restaurant that Inspired the Name



As the Redfish Forum celebrates the fourth anniversary of its standard and the fifth anniversary of the Forum, the group thought it would be more than appropriate to recognize the Houston-based, [Redfish Seafood Grill](#), for inspiring the name of DMTF's specification.

“It was my pleasure to present a plaque recognizing the restaurant where the name of the Redfish standard was born,” said DMTF President Jeff Hilland.

The owners of the Redfish Grill, David and Rolita Chang, were truly honored that their restaurant was the inspiration for the name of

DMTF's successful standard and plans to proudly display the acknowledgement plaque in the restaurant.



In Case You Missed It

DMTF to Showcase Redfish at SC19

Continuing its commitment to industry outreach and education, DMTF will participate in [SC19](#), November 17-22, 2019, with a booth representing the [Redfish® standard](#). SC19 is an international conference for high performance computing, networking, storage, and analysis.

Executives and representatives of DMTF's Redfish Forum will be available in booth #2247 at the [Colorado Convention Center](#) in downtown Denver to speak with attendees about the standard and how Redfish delivers simple and secure management for converged, hybrid IT and the Software Defined Data Center (SDDC).

Come see DMTF at SC19, booth #2247, and for real-time updates follow us on Twitter

Upcoming Events

[LISA19](#)

October 28-30
Portland, OR

[SC19](#)

November 17-22
Denver, CO

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

Need a DMTF Logo for your Marketing Materials?

We've got you covered!

Email press@dmf.org for the 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.

throughout the event [@DMTF](#), using the [#RedfishStandard](#) hashtag.

DMTF Registration Discount Available for LISA19

Please join us for [LISA19](#) on October 28–30, 2019, at the Portland Marriott Downtown Waterfront in Portland, OR, USA. Organized by the [USENIX Association](#), LISA is the premier conference for operations professionals to share real-world knowledge about designing, building, securing, and maintaining the critical systems of our interconnected world.

As an Industry Partner of LISA19, DMTF is pleased to share a coupon code for \$50 off registration: LISA19DMTF50. This discount can be used on top of the Early Bird pricing that is effective through Monday, October 7. View the [program and register](#) today!

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.

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Recent DMTF Specifications

- [DSP8010 - 2019.2 - Redfish Schema](#)
- [DSP0266_1.8.0 - Redfish Specification](#)
- [DSP0266_1.7.1 - Redfish Specification](#)
- [DSP8011_2019.2 - Redfish Standard Registries](#)
- [DSP2046_2019.2 - Redfish Resource and Schema Guide](#)
- [DSP2053_2019.2 - Redfish Property Guide](#)
- [DSP2055_1.0.0 - Quick Start for Authoring Redfish Schema](#)
- [DSP0272_1.2.0 - Redfish Interoperability Profiles Specification](#)
- [DSP8013_2019.2 - Redfish Interoperability Profiles Bundle](#)
- [DSP0261_1.1.1 - NC-SI over MCTP Binding Specification](#)
- [DSP0261_1.2.2 - NC-SI over MCTP Binding Specification](#)
- [DSP2015_2.0.0 - Platform Management Component Intercommunication \(PMCI\) Architecture White Paper](#)
- [DSP0248_1.1.2 - Platform Level Data Model \(PLDM\) for Platform Monitoring and Control Specification](#)
- [DSP0245_1.3.0 - Platform Level Data Model \(PLDM\) IDs and Codes](#)

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

[Specification](#)

- [DSP0134_3.3.0 - System Management BIOS \(SMBIOS\) Reference Specification](#)
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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!](#)

Upcoming DMTF Meetings



10/17 Board Meeting
11/18 Board Face to Face Meeting
12/12 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.; Cisco; Dell Inc.; Hewlett Packard Enterprise; Hitachi, Ltd.; HP Inc.; Intel Corporation; Lenovo; NetApp; Software AG; Vertiv; and VMware, Inc.



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