

February 2024

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What's Ahead for 2024

From the desk of Mike Raineri, Board Chair

DMTF continued to make great strides in advancing manageability and security throughout 2023. This year will be no exception. Our alliance partners look to DMTF to address their growing needs and support their respective ecosystems. With the expertise of dedicated members, the organization will continue to support the needs of the industry and solve end user challenges through the publication of meaningful standards.

Here's a snapshot of where we're going and how your company can get involved.

The [Redfish](#) standard will continue to advance under the guidance of the [Redfish Forum](#). The Forum is focused on the following deliverables and initiatives over the next year:

- Industrial IoT modeling. The alliance efforts with [PICMG](#) to extend the Redfish data model to manage industrial IoT equipment for factory automation will continue to be a focus.
- Additional [CXL](#) modeling. Our ongoing partnership with CXL will encompass new requirements and functionality for managing CXL devices and fabrics.
- Our long-standing engagement with [SNIA](#) and [NVMe](#) will continue. As the needs of the storage ecosystem keep growing, we look to our partners to guide Redfish to stay aligned with the rest of the industry.
- The Forum will leverage PMCI's host interface advancements. Now that MMBI is a standard, there is renewed interest in leveraging this technology for Redfish.
- Ongoing efforts and focus will remain again this year in infrastructure (power and cooling) modeling. [OCP](#) continues to drive requirements for OCP-conformant infrastructure equipment, such as rack PDUs, power shelves, and coolant distribution units, and looks to Redfish as the management standard for these devices. As requirements grow, new modeling additions will be needed.

Over the next year, the [PMCI working group](#) has a robust set of deliverables including but not limited to:

- PLDM for File Transfer. PMCI plans to continue to provide additional feature capability in the suite of PLDM use cases and will deliver a new PLDM CXL Memory Modeling specification, which is then the 3rd modeling specification (NIC and Accelerator modeling currently are published).
- Continuing its work with DMTF alliance partners on additional bindings for MCTP both at the physical medium layer and the upper messaging layer.
- Updating MCTP Host Interface to 2.0 for modern use cases and support with new interfaces such as MMBI.
- Continue to make progress on MCTP 2.0. The group will solicit input from the industry to make the next generation of MCTP transport specification.

[SPDM](#) Working Group is currently working on several initiatives for 2024. As they kick off the year, they are focused on the following:

- SPDM Binding to TCP, which will enable SPDM to happen over TCP connections.
- SPDM Bindings for Storage - enabling Attestation, Identity & Authorization for NVMe as well as older protocols like SAS & SATA
- An Authorization Specification - enabling finer grained access permissions for technologies like CXL management
- Work on SPDM 1.4 will begin before year end of 2024. Stay tuned for more!

Our decades-long commitment to [CIM](#) and [SMBIOS](#) continues and 2024 will bring new versions of these standards, which remain hallmarks of DMTF's 30 years of dedication to the industry. DMTF announcements can be found on our [news](#) page.

Educational outreach continues to be a top priority for the organization. We plan on creating additional educational materials for our website, the Redfish Developer Hub, and YouTube channel. Attendance at events and industry meetings provides valuable face-to-face opportunities, and we plan to attend events and meetings in person again this year. Be sure to stay up to date on where we'll be in 2024! Information and educational outreach opportunities can be found [here](#).

APTS is back and is being held at a **NEW time of year** and in a **NEW location**. Be sure to mark your calendar to join us for APTS 2024, **March 11-14, at the Cliff House** outside **Colorado Springs, Colorado**. This year, APTS will be a DMTF-only hybrid event. Check your email for information about event registration, hotel accommodations, and more. Don't miss out on the opportunity to participate in some of the most important technical work of the year. For more information click [here](#).

If you missed our recap of the organization's Year-in-Review by President Jeff Hilland you can read it [here](#).

Membership renewals are right around the corner, and we hope to continue our collaboration on this valuable work with you by our side. If your company is not yet a member and you want to [learn more](#), we invite you to consider how the mission of DMTF, and our unique standards work, could benefit both your company and the industry at large. As always, thank you for your ongoing commitment to the work of the organization.

Sincerely,

Mike Raineri
DMTF Board Chair

Redfish Release 2023.3 Now Available

[Redfish](#)® Release 2023.3 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 **1 new schema and 26 schema updates** including a **NEW ResolutionStep** for providing a recommended step to resolve a condition (fault, error, etc.).

To improve developer access to and synchronization with the latest Redfish releases, a new public GitHub repository has been created to host copies of the published Redfish schemas and standard message registries. The new [Redfish-Publications GitHub repository](#) contains the contents of DSP8010 and DSP8011, providing the ability to both download and create durable links to DMTF-maintained materials.

These latest enhancements are driven by the growth of Redfish and interoperability feedback received from implementers. Some of the items in the new Redfish 2023.3 update include:

- [Redfish Specification v1.20.0](#) – **Added** requirement for Outbound Connections to include the Sec-WebSocket-Protocol header as "Redfish"; **added** requirement that services **shall** accept empty JSON objects for actions that do not have required parameters.
- [Redfish Specification v1.19.1 \(errata release\)](#) – Clarified that users can delete their own Session resources; added URI construction guidance for @Redfish.ActionInfo and OEM actions; updated the Members@odata.nextLink clause to give guidance for handling the original query parameters and for using the \$skiptoken parameter; clarified the behavior of \$expand query option when used with resources containing reference objects; and added ability to configure the support of HTTP Basic authentication.
- [2023.3 Redfish Schema Bundle](#) – This .zip file contains the current versions of all Redfish schemas. The bundle includes 1 new schema and 26 schema updates and developer resources.
 - NEW – ResolutionStep** for providing a recommended step to resolve a condition (fault, error, etc.).
- [Redfish Message Registry Bundle 2023.3](#) – The Message Registry Bundle contains all released Redfish message registries.
 - Added ActionParameter/ValueOutOfRangeException** to Base message registry
- [Redfish Release 2023.3 Overview](#) – This presentation provides detailed descriptions of each revision in Redfish 2023.3.
- [Redfish Resource and Schema Guide](#) – Updated for 2023.3 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. Includes example payloads for each resource type.
- [Redfish Property Guide](#) – Intended primarily for schema authors, this newly reference guide helps with locating existing property definitions within the Redfish schema. Additionally, it helps avoid re-defining property names already in use.
- [Redfish Data Model Specification](#) – Includes normative statements ("LongDescription") and informative description details from schema in a single document. Intended for both Redfish Service and client-side developers.
- [Redfish Release History](#) – Updated with each new release, this presentation offers a comprehensive view of each revision to Redfish since 2016.
- [Redfish Conformance Testing Tools](#) – Open source tools for service developers to validate their conformance with the Redfish protocol, data model, and profiles. Tools include the Redfish Protocol Validator, Redfish Service Validator, Redfish Interop Validator.

Upcoming Redfish Webinar

The Redfish Forum would like to invite anyone interested in learning about the **Redfish 2023.3 release to join a live webinar, hosted via Zoom, on February 8, 2024, at 9:00 a.m. PT**. The Forum chairs will present the contents of the release followed by a round table discussion. For questions regarding the meeting, email: [webinars@dmtf.org](#). Don't delay, [register](#) today!

Have you registered for APTS?

Be sure to mark your calendar and register to join us at [APTS 2024, March 11-14, at the Cliff House](#) outside **Colorado Springs, Colorado**. This year, APTS will be a DMTF-only hybrid event. Watch your email for information about event registration, hotel accommodations, and more. Don't miss out on the opportunity to participate in some of the most important technical work of the year.

Hotel Accommodations

The Cliff House is offering discounted room rates for our attendees. Hotel accommodations are available on a first-come, first-served basis. The discounted room rate is available until **February 23, 2024**.

Information on how to make hotel room reservations will be included in your APTS registration confirmation email.

If you have questions or comments, contact our event organizers at [apts_registration@dmtf.org](#). Check out the [schedule](#) and [register](#) today!

In Case You Missed It

2024 Membership Reminder - Invoices Due by April 1, 2024

As DMTF's new fiscal year approaches, our membership renewal period is right around the corner - please take steps today to ensure your organization is prepared to renew! The upcoming membership year runs April 1 to March 31.

Your company's billing contact should have received the invoice in January. If your company hasn't received an invoice, please contact DMTF Administration at [admin@dmtf.org](#).

DMTF membership offers front-line access to our standards 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@dmtf.org](#)

Mark Your Calendar for DMTF's Annual Members Meeting

DMTF's 2024 annual members meeting will be held on **March 11, 2024, at 8:00 a.m. PT/9:00 a.m. MT**. An email with dial-in instructions and additional details will be sent as the date nears. DMTF officers will present an overview of the operational and financial status of the organization and will be available for questions. Please mark your calendar and plan to join us!

Information about 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](#).

Newsletter Feedback

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

DMTF on YouTube

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

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

Upcoming DMTF Meetings

- 2/15 Board Meeting
- 3/11 Board Meeting
- 4/18 Board Meeting

New Members

Participation level

- [Montage Technology Co., Ltd](#)

Recent DMTF Specifications

- [DSP0266 1.19.1 \(Redfish Specification\)](#)
- [DSP0266 1.19.1 \(Redfish Specification\)](#)
- [DSP0268 2023.3 \(Redfish Data Model Specification\)](#)
- [DSP0272 1.7.0 \(Redfish Interoperability Profiles Specification\)](#)
- [DSP0288 1.1.0 \(CXL to Redfish Mapping Specification\)](#)
- [DSP8010 2023.3 \(Redfish Schema Bundle\)](#)
- [DSP8011 2023.3 \(Redfish Standard Registries Bundle\)](#)
- [DSP8013 2023.3 \(Redfish Interoperability Profiles Bundle\)](#)
- [DSP2065 2023.3 \(Redfish Message Registry Guide\)](#)
- [DSP2046 2023.3 \(Redfish Resource and Schema Guide\)](#)
- [DSP2053 2023.3 \(Redfish Property Guide\)](#)
- [DSP2068 1.0.0 \(Redfish Conformance and Test Tools White Paper\)](#)
- [DSP2043 2023.3 \(Redfish Mockups Bundle\)](#)
- [DSP0267 1.3.0 \(PLDM for Firmware Update Specification\)](#)
- [DSP0236 1.3.2 \(MCTP Base Specification\)](#)
- [DSP0232 1.4.0 \(DASH Implementation Requirements\)](#)
- [DSP1009 1.2.0 \(Sensors Profile\)](#)
- [DSP0238 1.2.1 \(MCTP PCIe VDM Transport Binding Specification\)](#)

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About DMTF

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 Technologies; Hewlett Packard Enterprise; Intel Corporation; Lenovo; NetApp; Positivo Tecnologia S.A.; and Verizon.

