

News from DMTF

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February 2025

Issue Highlights

Look Ahead for 2025 – From the desk of Mike Raineri, Board Chair
 Redfish Release 2024.4 Now Available!
 In Case You Missed It • YouTube • More!

What’s Ahead for 2025

From the desk of Mike Raineri, Board Chair

As we embark on 2025, I am excited for the opportunities that lie ahead for DMTF. This year promises to be pivotal as we continue to drive innovation, foster collaboration, and address the evolving challenges of the IT industry.

Our mission to enable interoperable management of diverse platforms and technologies remains at the core of everything we do. In 2025, we will build upon our strong foundation by focusing on several key areas:

Advancing Standards to Meet Emerging Needs

In 2025, DMTF will prioritize updates to existing specifications and develop new ones to address emerging trends including:

- Enhancing support for sustainability initiatives, including power and thermal management, as the industry works toward greener IT solutions
- Strengthening our collaboration with industry partners to ensure that our standards align with real-world use cases

Expanding Collaboration

Our success hinges on working together as a global community. DMTF will continue to foster partnerships with industry organizations, open-source projects, and academic institutions. By breaking down silos, we can accelerate the adoption of our standards and improve interoperability across diverse ecosystems. This year, we plan to:

- Expand our liaison efforts to bring in fresh perspectives and expertise
- Provide more accessible resources to support adoption, including updated documentation, tools, and educational content

Enabling the Next Generation of IT Leaders

2025 is also a year to look toward the future of our industry. Attracting and nurturing the next generation of IT leaders is crucial to sustaining our momentum. To that end, we will:

- Provide educational resources that make DMTF standards more approachable for newcomers
- Ensure our standards remain agile and forward-thinking to serve the innovators of tomorrow

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:

- Support for Industrial IoT devices and smart factory job scheduling in conjunction with PICMG
- Addition of flexible policy model to enable automated handling of events or state changes
- Support for additional types of DCIM equipment as liquid cooling-based datacenters become more mainstream
- Enhancements to support telemetry streaming and report generation
- Expanded set of “use case checker” tools to aid developers in testing common workflows and tasks
- Increased collaboration with OCP and other Alliance Partners to publish Redfish Interoperability Profiles to help end users and client software developments set minimum service implementation requirements
- More educational publications and Redfish School “how to” videos
- Celebration of the 10th anniversary of v1.0 release in August

Over the next year, the **PMCI** Working Group has a robust set of deliverables including but not limited to:

- Completion of the new FRU Data Model and PLDM for FRU Data specification is a key priority for the early part of 2025
- Updates to the MCTP over USB Binding and MCTP Base Specification are planned
- New specifications are targeted for release in 2025 to expand the use cases across the MCTP and PLDM suite of specs
 - MCTP Host Interface 2.0
 - PCIe-MI over MCTP Binding
 - MCTP PCC Transport Binding
 - PLDM For Server SoC Modeling
- Continue to drive our long-term strategy, which includes the future MCTP 2.0 activity

The **SPDM** Working Group is currently working on several initiatives for 2025. As they kick off the year, they are focused on the following:

- Post-quantum support in SPDM, targeted for summer 2025. Work in progress version is available now
- Considering support for IETF RATS EAT in a future release
- Authorization spec in support of our members and alliance partners, targeted for Q2 2025
- Update DSP0277 to version 2.0 to support some authorization use cases
- Storage binding spec, targeted for Q1 2025
- Submitting SPDM specifications to ISO

Our decades-long commitment to **CIM** and **SMBIOS** continues and 2025 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 2025! Information and educational outreach opportunities can be found [here](#).

Be sure to mark your calendar to join us for **APTS 2025, March 31 through April 3**, at the **Hilton Garden Inn (Denver Downtown)** in **Denver, Colorado**. APTS is a no-cost, DMTF-only hybrid event. Whether you will be attending virtually or in-person, please [register here](#). Early registration will help the assessment of the hybrid bandwidth needs. Don’t miss out on the opportunity to participate in some of the most important technical work of the year. Learn more about **APTS 2025** and its [schedule](#).

Membership renewals are right around the corner, and we hope to continue our collaboration on this valuable work with you. 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 we move forward, I am inspired by the dedication of our members and the collective impact of our work. Together, we can shape the future of IT and ensure that DMTF remains a trusted leader in driving interoperability and innovation. Thank you for your continued support and partnership. Here’s to a successful and transformative 2025!

Sincerely,

Mike Raineri
 DMTF Board Chair

Redfish Release 2024.4 Now Available

DMTF’s **Redfish®** Release 2024.4 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 the addition of the StorageMetrics schema, Coolant Distribution Unit (CDU) Controls, and 20 schema updates.

Key highlights of the Redfish 2024.4 release are the additions of:

- New **StorageMetrics** schema for reporting storage subsystem statistics
- Standard properties in **CoolantConnector** to manage setpoints for CDUs
- Standard actions in **Pump** to control operating modes of pumps in CDUs
- Standard messages to support liquid cooling equipment

These latest enhancements are driven by the growth of Redfish and interoperability feedback received from implementers. Some of the items in the new Redfish 2024.4 update include:

- **Redfish Specification v1.21.1**
 - Added “OpenCompute” to the OEM exception list
 - Corrected *\$expand* with *\$select* query parameter example and clarified the supporting text
- **2024.4 Redfish Schema Bundle** – This .zip file contains the current versions of all Redfish schemas. The bundle includes 20 schema updates and developer resources.
 - **NEW StorageMetrics** schema containing performance, space-savings, I/O statistics, and error metrics for storage subsystems
 - Added **LeakDetectors** to **Chassis** to consolidate locations for leak detection resources
 - **NEW** Actions for controlling liquid cooling equipment
 - Added Security ID (SID) related properties to **Storage**
 - Added *FlowControlLitersPerMinute*, *SupplyTemperatureControlCelsius*, *ReturnTemperatureControlCelsius*, *DeltaPressureControlkPa*, and *DeltaTemperatureControlCelsius* added to **CoolantConnector**.
 - Added *SetMode* action to **Pump**.
- **Redfish Message Registry Bundle 2024.4** – The Message Registry Bundle (DSP8011) contains all released Redfish message registries.
 - **NEW AccountSecurity** and **ServiceCommunications** message registries
 - Added messages for liquid cooling equipment events to **Environmental** message registry
- **Redfish Release 2024.4 Overview** – This presentation provides detailed descriptions of each revision in Redfish 2024.4.
- **Redfish Resource and Schema Guide** – Updated for 2024.4 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 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.
- **Redfish Publications Repository** - Public GitHub repository contains an official read-only copy of the Redfish schemas and standard message registries
 - Creates public, durable locations for referencing specific schema or registry items in issue reports, forum postings, or other online references
 - Allows developers to automatically synchronize with new Redfish releases using normal GitHub tools and processes
 - Repository will be updated as each Redfish release become public
- **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 Property Guide** – Intended primarily for schema authors, this newly revised reference helps with locating existing property definitions within the Redfish schema.
- **Redfish Release History** – Updated with each new release, this presentation offers a comprehensive view of each revision to Redfish since 2016.

The Redfish Forum would like to invite anyone interested in learning about the **Redfish 2024.4 release to join a live webinar**, hosted via Zoom, on **Thursday, February 6, 2025, 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 webinar, email: webinars@dmf.org. Don’t delay, be sure to [register](#) today!

To learn more about Redfish, click [here](#). The **Redfish Developer Hub** is a one-stop, in-depth technical resource and 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](#). To submit input via the DMTF Technology Submission and Feedback Portal click [here](#).

In Case You Missed It

Register for APTS 2025

Whether you will be attending virtually or in-person, please [register for APTS 2025](#).

APTS will be held **March 31-April 3, 2025** at **Hilton Garden Inn (Denver Downtown)** in **Denver, Colorado**. This venue is located just downtown Denver, Colorado.

APTS is a no-cost, DMTF-only hybrid event. Early registration will help the assessment of the hybrid bandwidth needs. Learn more about **APTS 2025** and its [schedule](#).

Hotel Accommodations
 We encourage all attendees to stay at the event hotel. APTS will have a guest room rate of **\$219/night**. This rate is available until **March 3, 2025**.

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@dmf.org.

Check out the [schedule](#) and [register](#) today!

2025 Membership Reminder - Invoices Due by April 1, 2025

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@dmf.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.dmf.org/join. Have questions? Get answers from the DMTF membership team at admin@dmf.org

Information about DMTF’s leadership, technologies, and how to participate can be found at www.dmf.org. Contact us online or reach us at <http://www.dmf.org/contact>.

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

Mark Your Calendar for DMTF’s Annual Members Meeting

DMTF’s 2025 Annual Meeting of Members will be held on Monday, March 31, 2025, at 8:00 a.m. PT. Please see your email for dial-in instructions and additional details.

DMTF officers will present an overview of the operational and financial status of the organization and will be available for questions. Please mark your calendars and plan to join us!

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.

Personalize your DMTF Meeting Schedule

Log into the members portal [here](#) where you can see your specific work group meetings.

Please note you will need to be logged in to the member portal in order to access this feature.

Recent DMTF Specifications

[DSP0266 1.21.1 - Redfish Specification](#)

[DSP0268 2024.4 – Redfish Data Model Specification](#)

[DSP8010 2024.4 – Redfish Schema Bundle](#)

[DSP8011 2024.4 – Redfish Standard Registries Bundle](#)

[DSP2043 2024.4 – Redfish Mockups Bundle](#)

[DSP2046 2024.4 – Redfish Resource and Schema Guide](#)

[DSP2053 2024.4 – Redfish Property Guide](#)

[DSP2065 2024.4 – Redfish Message Registry Guide](#)

DMTF on YouTube

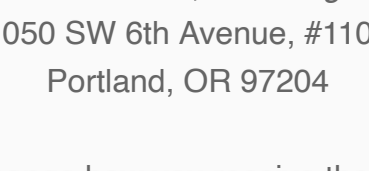
Check out our latest **YouTube Channel** to stay up-to-date with our current and upcoming webinars.

Newsletter Feedback

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

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; Positivo Tecnologia S.A.; and Verizon.



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