

News from DMTF

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**June 2022**

**Issue Highlights**

Redfish Release 2022.1 Now Available and Accompanying Webinar  
 New Redfish Tutorial Highlighting SmartNICs  
 Make Plans Now to Attend DMTF's 2022 Alliance Partner Technical Symposium  
 In Case You Missed It • YouTube • More!

**Redfish Release 2022.1 Now Available**

DMTF's [Redfish®](#), Release 2022.1 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 **34 schema updates** and a **new developer resource, the Redfish Message Registry Guide**. This new guide presents message registry definitions in a more human-readable format and includes a summary table as well as individual message details.

Key highlights of the Redfish 2022.1 release are the addition of **SSH key related properties, addition of properties in Chassis** to represent containment of power and thermal relationships, and a **method to register an existing system as a resource block**.

These latest enhancements are driven by the growth of Redfish and interoperability feedback received from implementers. Some of the items in the new Redfish 2022.1 update include:

- [Redfish Specification v1.15.1](#) – Errata release. Removal of a conflicting statement regarding Event Subscription that prevented specification of both RegistryPrefixes and MessageIds for inclusion in a subscription.
- [2022.1 Redfish Schema Bundle](#) – This .zip file contains the current versions of all Redfish schemas. The bundle includes 34 schema updates and developer resources.
- [Redfish Message Registry Bundle 2022.1](#) – The Message Registry Bundle contains all released Redfish message registries.
  - Base v1.13.0 adds new messages, invalid HTTP requests, and dropped event notifications
  - Corrected argument descriptors in *Base*, *License*, *Resource Event*, and *Update*
- [Redfish Release 2022.1 Overview](#) – This presentation provides detailed descriptions of each revision in Redfish 2022.1.
- [Redfish Resource and Schema Guide](#) – Updated for 2022.1 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.
- **NEW - Redfish Message Registry Guide** – The new Redfish Message Registry Guide presents message registry definitions in a more human-readable format and includes a summary table as well as individual message details.
- [Redfish Property Guide](#) – Intended primarily for schema authors, this newly revised reference helps with locating existing property definitions within the Redfish schema. Additionally, it helps avoid re-defining property names already in use.
- [Redfish Schema Supplement](#) – The Schema Supplement provides normative (“LongDescription”) schema definition contents and is useful for Redfish Service developers to ensure conformance.
- [Redfish Release History](#) – Updated with each new release, this presentation offers a comprehensive view of each revision to Redfish since 2016.

DMTF's Redfish Forum would like to invite anyone interested in learning about the **Redfish 2022.1 release to join a live webinar**, hosted via Zoom, on **Friday, June 17, 2022, 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@dmft.org](mailto:webinars@dmft.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](#).

**New Redfish Tutorial Highlighting SmartNICs**

DMTF's popular ["Redfish@ School" YouTube series](#) recently added a new tutorial. In the video, viewers will learn about how to manage [SmartNICs](#) with Redfish.

This mini-tutorial [video](#) provides an overview of SmartNICs and how to best manage them. SmartNICs have reached the point of prevalence in the industry where consistent manageability via Redfish is necessary. Sometimes known by other names and classifications, such as DPU, XPU, or IPU, SmartNICs typically represent the fusion of some form of networking functionality with other computational capacity, such as programmable offload processing capability, fixed function offload capacity, artificial intelligence, machine learning, and digital signal processing. These processing functions can be collocated with amounts of storage, either ephemeral or persistent, giving SmartNICs equivalent capability of a traditional computing system.

All "Redfish School" mini-tutorials and videos can be viewed on the [Redfish webinars page](#) on the [Redfish Developer Hub](#). In addition, the full library of DMTF videos is available on the [Webinars](#) page in the DMTF website's [Education](#) section.

These videos are also available directly on [DMTF's YouTube channel](#), so don't miss out when we post something new – click [here](#) to subscribe to our YouTube channel today!

**Make Plans Now to Attend DMTF's 2022 Alliance Partner Technical Symposium**

We're less than two months away from DMTF's annual summer event – [2022 Alliance Partner Technical Symposium \(APTS\)](#). Make your plans now to join us for the fifteenth annual gathering, being held as a hybrid event, with options to attend in person in Portland, Oregon or to attend virtually. The event is being held July 25-29, 2022. Hotel reservations are open.

APTS is hosted in partnership with longstanding Alliance Partner, [Storage Networking Industry Association \(SNIA\)](#). Featuring collaborative working group meetings, focused on technical topics of interest to DMTF's Alliance Partners, the symposium will have keynote addresses from the [CXL Consortium](#), [PCI-SIG](#), and [SNIA](#).

Evening activities during the week include a Birds of a Feather session on Tuesday titled, "The CA Problem: The potential explosion of SPDM Root Cert Authorities," as well as a social event on Wednesday.

Don't miss out on the opportunity to participate in some of the most important face-to-face technical work of the year. Check out the [schedule online](#) and [register today!](#)

**In Case You Missed It**

**ICYMI - Recently Published White Papers Designed to Help with Implementation**

Did you know DMTF has several white papers designed to help implementers better understand our specifications? In case you missed it, click [here](#) to read some of our recently published white papers designed to help with implementation.

**DMTF Standards Represented at Industry Events**

On May 26, 2022, DMTF standards were represented in several [Open Compute Project \(OCP\) Tech Talks](#) as part of OCP's Hardware Management Project. [Click here](#) to view the recordings and presentations.

Kicking off summer, DMTF representatives are participating in the [OpenInfra Summit Berlin](#), June 7-9, 2022, at the Berlin Conference Center. Conference attendees will collaborate directly with the people building and running open source infrastructure using OpenStack, Kubernetes and 30+ other technologies. DMTF standards will be represented as part of the Hardware Enablement track. For more information or to view the presentation schedule click [here](#).

Information about 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>.

**Newsletter Feedback**

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

**Need a DMTF Logo for your Marketing Materials?**

We've got you covered! Email [press@dmft.org](mailto:press@dmft.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.

**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.

**Upcoming Events**

[OpenInfra Summit Berlin 2022](#)  
 June 7-9, 2022  
 Berlin, Germany

[Storage Developers Conference](#)  
 September 12-15, 2022  
 Fremont, California

[OCP Global Summit](#)  
 October 18-20, 2022  
 San Jose, California

[SC22](#)  
 November 13-18, 2022  
 Dallas, Texas

**Upcoming DMTF Meetings**

- 6/23 Board Meeting
- 7/25 Board Meeting
- 8/18 Board Meeting

**New Members**

- [Participation Level](#)
- [AdaCore SAS](#)
- [Solidigm](#)

**Recent DMTF Specifications**

- [DSP2015\\_2.1.0 - Platform Management Communications Infrastructure \(PMCI\) Architecture White Paper](#)
- [DSP0274\\_1.1.2 - Security Protocol and Data Model \(SPDM\) Specification](#)
- [DSP0275\\_1.0.1 - Security Protocol and Data Model \(SPDM\) over MCTP Binding Specification](#)
- [DSP0276\\_1.1.0 - Secured Messages using SPDM over MCTP Binding Specification](#)
- [DSP0277\\_1.1.0 - Secured Messages using SPDM Specification](#)
- [DSP0266\\_1.15.1 - Redfish Specification](#)
- [DSP0268\\_2022.1 - Redfish Schema Supplement](#)
- [DSP2046\\_2022.1 - Redfish Resource and Schema Guide](#)
- [DSP2053\\_2022.1 - Redfish Property Guide](#)
- [DSP2065\\_2022.1 - Redfish Message Registry Guide](#)
- [DSP2066\\_1.0.0 - Redfish Fabrics White Paper](#)
- [DSP8010\\_2022.1 – Redfish Schema Bundle](#)
- [DSP8011\\_2022.1 – Redfish Standard Registries Bundle](#)

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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.



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