New Redfish Release 2020.1 Adds Support for Network Device Registry, Secure Database and Signatures

DMTF Releases Latest Version of Security Standard as Work in Progress

The DMTF recently announced the public release of its Security Protocol and Data Model (SPDM) – developed by the Security Task Force (STF) to enhance security features in the Redfish® standard and enable additional protection for operators and administrators. DMTF encourages public organizations and developers to provide comments on the WIP specifications before they are finalized. Feedback may be submitted on our website at https://www.dmtf.org/standards/feedback/

The SPDM Specification provides message exchange, sequence diagrams, message formats, – developed by the STF – and is designed to be referenced by other standards organizations and developers. DMTF invites public organizations and developers to provide comments on an aggressive development schedule.

SPDM includes the following improvements:

- Management of Redfish database metadata
- Securely exchange certificate information
- Maintain integrity of system on both Redfish and non-Redfish devices
- Securely manage system identifier management via Redfish

All organizations and developers are encouraged to review these WIP schemas and provide comment before they are finalized.

SPDM, which is currently in the draft phase, includes:

- Support for certificate registration
- Support for Certificate Signing Requests
- Support for certificate revocation
- Support for certificate identity registration

The SPDM Specification is available for public download at https://www.dmtf.org/standards/spdm.

OpenFabrics Alliance (OFA) and Gen-Z Consortium Announce Memorandum of Understanding Agreement

As part of its agreement with DMTF, the CXL™ Consortium will work with the OFA and Gen-Z Consortium. Potential activities outlined in the agreement include joint development of a roadmap for CXL management, and assistance to the OpenFabrics Alliance (OFA) and Gen-Z Consortium. The OFA and Gen-Z Consortium have spent the past year leading a simulation-based fabric management effort that has resulted in the development of an abstract fabric manager built on the concepts of OpenFabrics Standards. This fabric manager allows fabric management to converge with existing network management technologies. The OFA and Gen-Z Consortium have agreed to a Memorandum of Understanding (MOU) to help align the fabric manager with OpenFabrics API as well as an API for session key exchange protocols to enable confidentiality and integrity protected data exchange.