Document Identifier: DSP8011

Date: 2021-12-02

Version: 2021.4

Redfish Standard Registries Readme

Supersedes: 2021.3

Document Class: Normative

Document Status: Published

Document Language: en-US

Copyright Notice
Copyright © 2015-2021 DMTF. All rights reserved.

DMTF is a not-for-profit association of industry members dedicated to promoting enterprise and systems management and interoperability. Members and non-members may reproduce DMTF specifications and documents, provided that correct attribution is given. As DMTF specifications may be revised from time to time, the particular version and release date should always be noted.

Implementation of certain elements of this standard or proposed standard may be subject to third party patent rights, including provisional patent rights (herein "patent rights"). DMTF makes no representations to users of the standard as to the existence of such rights, and is not responsible to recognize, disclose, or identify any or all such third party patent right, owners or claimants, nor for any incomplete or inaccurate identification or disclosure of such rights, owners or claimants. DMTF shall have no liability to any party, in any manner or circumstance, under any legal theory whatsoever, for failure to recognize, disclose, or identify any such third party patent rights, or for such party's reliance on the standard or incorporation thereof in its product, protocols or testing procedures. DMTF shall have no liability to any party implementing such standard, whether such implementation is foreseeable or not, nor to any patent owner or claimant, and shall have no liability or responsibility for costs or losses incurred if a standard is withdrawn or modified after publication, and shall be indemnified and held harmless by any party implementing the standard from any and all claims of infringement by a patent owner for such implementations.

For information about patents held by third-parties which have notified the DMTF that, in their opinion, such patent may relate to or impact implementations of DMTF standards, visit http://www.dmtf.org/about/policies/disclosures.php.

This document's normative language is English. Translation into other languages is permitted.

CONTENTS

1 Foreword 4
2 Redfish Standard Registries change log 5

1 Foreword

The following files are part of the Redfish development effort:

- DSP0218 - Platform Level Data Model (PLDM) for Redfish Device Enablement Specification - Binary-encoded JSON (BEJ) and dictionary-based mapping of Redfish schemas and properties into PLDM messages.
- DSP0266 - Redfish Specification - Main Redfish Specification.
- DSP0268 - Redfish Schema Supplement - Normative descriptions and additional text for every schema defined in DSP8010 and example payloads for every resource.
- DSP0270 - Redfish Host Interface Specification - "In-band" or "OS-based" Redfish host interface.
- DSP0272 - Redfish Interoperability Profiles Specification - Structure and JSON document that is used to define and publish an interoperability profile that checks an implementation's conformance to a defined minimum set of functionality.
- DSP2043 - Redfish Mockups Bundle - Set of mockups that can be used as sample output from `GETs` from a Redfish service. Informative in nature, it was used to develop the schema. A person can set up an NGINX or similar server and configure it to output JSON format and then use this directory for demonstration purposes.
- DSP2044 - Redfish White Paper - Non-normative document helping those new to Redfish understand how to interact with the Redfish service and understand common functions and tasks.
- DSP2046 - Redfish Resource and Schema Guide - Informative documentation regarding common Redfish resource properties and a listing of properties that can be found in each of the Redfish resources.
- DSP8010 - Redfish Schema - Redfish schema definitions. These files are normative in nature and are normatively referenced by the *Redfish Specification*. The three schema formats are CSDL (OData Common Schema Definition Language format, which is in XML), JSON Schema, and OpenAPI schema. These schema definitions should be functionally equivalent, thus specifying the schema in two different languages.
- DSP8011 - Redfish Standard Registries - Redfish registry definitions. This bundle of Redfish registries includes message registries used for Redfish-defined messages including events and privilege maps.
- DSP8013 - Redfish Interoperability Profiles Bundle - Bundle of published Redfish interoperability profile documents and supporting schema and sample documents used for creating profiles.

2 Redfish Standard Registries change log

Registry file	Version	Date	Description
ResourceEvent	1.2.0	2021-12-02	Added `AggregationSourceDiscovered` message.
ResourceEvent	1.1.1	2021-12-02	Errata release. Corrected the version number of the registry.
StorageDevice	1.1.0	2021-12-02	Added `BatteryOK`, `BatteryCharging`, `BatteryMissing`, `BatteryFailure`, `ControllerDegraded`, `ControllerPreviousError`, `ControllerPasswordAccepted`, `ControllerPasswordRequired`, `ControllerPortOK`, `ControllerPortDegraded`, `ControllerPortFailure`, `DriveMissing`, `DriveMissingCleared`, `DriveOffline`, `DriveOfflineCleared`, `VolumeOffline`, and `VolumeOfflineCleared` messages.
StorageDevice	1.0.1	2021-12-02	Errata release. Clarified various messages reflecting health changes that specifically the health of the device is changing.
Base	1.12.0	2021-10-06	Added `ActionParameterValueConflict`, `ResetRecommended`, and `PropertyNotUpdated` messages. Expanded the scope of `ResetRequired` for cases where clients may need to recover from errors reported on a resource.
Base	1.x.x	2021-10-06	Errata release. Added `PropertyValueOutOfRange` to versions where it was removed by mistake. Corrected argument character in `InvalidJSON`.
Composition	1.1.1	2021-10-06	Errata release. Added version information to messages.
License	1.0.0	2021-10-06	Initial release.
ResourceEvent	1.1.0	2021-10-06	Added `ResourceStateChanged`, `ResourcePoweredOn`, `ResourcePoweringOn`, `ResourcePoweredOff`, `ResourcePoweringOff`, and `ResourcePaused` messages. Deprecated `LicenseExpired`, `LicenseChanged`, and `LicenseAdded` for messages in the License Message Registry.
Redfish Privilege Registry	1.2.0	2021-10-06	Added entries for all resources defined by Redfish since the previous release of the registry.
HeartbeatEvent	1.0.0	2021-08-05	Initial release.
Base	1.11.0	2021-08-05	Added `NetworkNameResolutionNotConfigured`, `NetworkNameResolutionNotSupported`, `ServiceDisabled` messages.
Base	1.10.1	2021-08-05	Added missing `ParamTypes` property to `UndeterminedFault`.
Update	1.0.0	2021-04-06	Initial release.

Registry file	Version	Date	Description
Base	1.10.0	2021-04-06	Added `InvalidURI`, `PropertyDeprecated`, `ResourceDeprecated`, `PropertyValueDeprecated`, `ActionDeprecated`, `ActionParameterValueNotInList`, `PropertyValueResourceConflict`, and `PropertyValueExternalConflict` messages.
Composition	1.1.0	2021-04-06	Added `EmptyManifest`, `UnableToProcessStanzaRequest`, `ResourceBlockInvalid`, `ResourceBlockNotFound`, `NoResourceMatch`, `IncompatibleZone`, `SpecifiedResourceAlreadyReserved`, and `ConstrainedResourceAlreadyReserved` messages.
EthernetFabric	1.0.0	2020-12-01	Initial release. Defines messages for Ethernet fabrics.
Fabric	1.0.0	2020-12-01	Initial release. Defines messages for general fabrics.
Base	1.9.0	2020-12-01	Added `UndeterminedFault`, `ConditionInRelatedResource`, `RestrictedRole`, `RestrictedPrivilege`, and `StrictAccountTypes` messages.
Task	1.0.3	2020-12-01	Errata release. Clarified descriptions to specify `TaskState` values.
JobEvent	1.0.0	2020-08-04	Initial release. Defines messages for jobs.
LogService	1.0.0	2020-08-04	Initial release. Defines messages for log services.
Redfish Privilege Registry	1.1.0	2020-08-04	Added entries for all resources defined by Redfish.
Base	1.8.2	2020-08-04	Errata release. Clarified the `GeneralError` message to direct clients to either the `Resolution` property or `@Message.ExtendedInfo`. Added descriptions to arguments for all messages.
StorageDevice	1.0.0	2020-04-30	Initial release. Defines messages for storage devices.
Base	1.8.1	2020-04-30	Errata release. Updated to MessageRegistry v1.4.0 schema.
Composition	1.0.1	2020-04-30	Errata release. Added descriptions to arguments and updated to MessageRegistry v1.4.0 schema.
NetworkDevice	1.0.1	2020-04-30	Errata release. Added descriptions to arguments and updated to MessageRegistry v1.4.0 schema.
ResourceEvent	1.0.3	2020-04-30	Errata release. Added descriptions to arguments and updated to MessageRegistry v1.4.0 schema.
TaskEvent	1.0.2	2020-04-30	Errata release. Added descriptions to arguments and updated to MessageRegistry v1.4.0 schema.
Base	1.8.0	2020-03-27	Added `MaximumErrorsExceeded`, `PreconditionFailed`, `PreconditionRequired`, `OperationFailed`, and `OperationTimeout` messages.
NetworkDevice	1.0.0	2020-03-27	Initial release.

Registry file	Version	Date	Description
Base	1.7.0	2019-12-06	Added `PropertyValueIncorrect` and `ResourceCreationConflict` messages.
Base	1.6.1	2019-10-11	Errata release. Fixed typo in the resolution for the `NoValidSession` message.
Redfish Privilege Registry	1.0.4	2019-10-11	Errata release. Corrected privileges for the `AccountService` and `Session` resources to show that anyone can read the account collection in order to find their own account, add to the session collection, and delete their own session. Added `NoAuth` to allowed privileges for the service root.
Base	1.6.0	2019-08-08	Added `QueryNotSupportedOnOperation`, `ResetRequired`, `PropertyValueConflict`, `ChassisPowerStateOnRequired`, and `ChassisPowerStateOffRequired` messages.
Composition	1.0.0	2019-08-08	Initial release. Defines messages to use for composition events.
ResourceEvent	1.0.2	2019-08-08	Errata release. Corrected and clarified the description and message strings for all messages. Removed `CorrespondingMessage` property from all messages.
Base	1.5.0	2019-04-03	Added `SubscriptionTerminated` and `PasswordChangeRequired` messages.
ResourceEvent	1.0.1	2018-11-29	Corrected `@odata.type` and `Id` property formats. Corrected cases where `ParamTypes` was incorrectly using `value`.
TaskEvent	1.0.1	2018-11-29	Corrected `@odata.type` and `Id` property formats. Corrected cases where `ParamTypes` was incorrectly using `value`. Fixed spelling of the `TaskProgressChanged` event.
ResourceEvent	1.0.0	2018-08-10	Initial release. Defines messages to use for resource events.
TaskEvent	1.0.0	2018-08-10	Initial release. Defines messages to use for task events.
Base	1.4.0	2018-08-10	Added `NoOperation` message.
Base	1.3.1	2018-08-10	Errata release. Clarified description and message text for `GeneralError`. Implementations are expected to provide specific `Resolution` for this message.
Redfish Privilege Registry	1.0.3	2018-08-10	Errata release. Corrected `ConfigureComponents` plurality privilege throughout. Corrected JSON object structure throughout.
Base	1.3.0	2018-04-05	Added `PropertyValueOutOfRange` and `SessionTerminated` messages.
Base	1.2.0	2017-08-18	Added `ResourceNotFound`, `ResourceExhaustion`, `StringValueTooLong` and `EmptyJSON` messages. Clarified description for `PropertyValueFormatError`. Corrected parameters for `ResourceAlreadyExists`.
Redfish Privilege Registry	1.0.2	2017-08-18	Errata release. Corrected `ConfigureUsers` plurality privilege throughout.

Registry file	Version	Date	Description
Base	1.1.0	2017-05-19	Added `ResourceInStandby` message.
Redfish Privilege Registry	1.0.1	2017-05-19	Initial release.
Base	1.0.0	2015-11-25	Initial release.