Redfish Release 2022.1

DMTF Redfish Forum
May 2022
Redfish Release 2022.1

- Redfish Specification v1.15.1
  - Errata release
  - Removed conflicting statement regarding Event Subscription that prevented specification of both RegistryPrefixes and MessageIds for inclusion in a subscription
- Redfish Schema Bundle 2022.1
  - DSP8010 contains all released Redfish schemas
- Redfish Message Registry Bundle 2022.1
  - DSP8011 contains all released Redfish registries
  - Base v1.13.0 adds new messages invalid HTTP requests and dropped event notifications
  - Corrected argument descriptors in Base, License, ResourceEvent, and Update
- 34 updated schemas (highlights)
  - Addition of SSH key related properties
  - Method to register an existing system as a resource block
  - Added properties in Chassis to represent containment of power and thermal relationships
  - See release notes in DSP8010 for errata details
- Download all published material at: http://www.dmtf.org/standards/redfish
Schema and Registry Guide documents

  - Presents schema definition contents in a more human-readable format
  - Includes example payloads for each schema

- **NEW Redfish Message Registry Guide (DSP2065)**
  - Presents message registry definitions in a more human-readable format
  - Includes summary table and individual message details

- **Redfish Property Guide (DSP2053)**
  - Provides an alphabetical list of all properties defined in Redfish schema
  - Useful for schema writers to locate existing definitions or properties
  - Helps avoid re-defining property names already in use

- **Redfish Schema Supplement (DSP0268)**
  - Presents normative ("LongDescription") schema definition contents
  - Useful for Redfish Service developers to ensure conformance

- **All guide documents are updated for each Redfish release**
  - Documents are automatically generated using DMTF open source tools
Redfish Schema Minor Revisions (1 of 6)

- **AccountService v1.11.0**
  - Added `SSHKeyAttribute` and `SearchSettings` for LDAP configuration
- **Battery v1.1.0**
  - Added `Links` with `Memory` and `StorageControllers`
- **Certificate v1.6.0**
  - Added `DisplayString`, `DomainComponents`, `AdditionalCommonNames`, and `AdditionalOrganizationalUnits` to `Subject` and `Issuer`
- **Chassis v1.20.0**
  - Added `FabricAdapters`, `PoweredByParent`, `ThermalManagedByParent`, and `ThermalDirection`
  - Added `PowerSupplies`, `Fans`, and `PowerDistribution` to `Links`
  - Deprecated `MediaControllers` in favor of `FabricAdapters`
  - Deprecated `PoweredBy` and `CooledBy` in favor of hardened references to deterministic resource types
Redfish Schema Minor Revisions (2 of 6)

- **Circuit v1.6.0**
  - Added “AC100To127V” to NominalVoltageType
- **CollectionCapabilities v1.4.0**
  - Added “RegisterResourceBlock” to UseCase
- **ComponentIntegrity v1.1.0**
  - Added SecurityVersionNumber for SPDM measurements
- **ComputerSystem v1.18.0**
  - Added ManufacturingMode and Composition
  - Added LastBootTimeSeconds to BootProgress
- **Drive v1.15.0**
  - Added SanitizationType and OverwritePasses to the SecureErase action
- **Endpoint v1.7.0**
  - Added LocalPorts to Links
  - Deprecated Ports in Links in favor of ConnectedPorts and LocalPorts
Redfish Schema Minor Revisions (3 of 6)

- **ExternalAccountProvider v1.4.0**
  - Added `SSHKeyAttribute` and `SearchSettings` for LDAP configuration
- **EventDestination v1.12.0**
  - Added `ExcludeRegistryPrefixes` and `ExcludeMessageIds`
  - Added `SuspendSubscription` action
  - Added `DeliverBufferedEventDuration` parameter to the `ResumeSubscription` action
- **EventService v1.8.0**
  - Added `ExcludeRegistryPrefix` and `ExcludeMessageId` properties
- **FabricAdapter v1.3.0**
  - Added `FabricType` and `FabricTypeCapabilities`
  - Added `MemoryDomains` to Links
- **Fan v1.2.0**
  - Added Links with `CoolingChassis`
- **Job v1.1.0**
  - Added `EstimatedDuration`
Redfish Schema Minor Revisions (4 of 6)

- Key v1.1.0
  - Added “SSH” to KeyType
  - Added UserDescription
- LogEntry v1.12.0
  - Added RelatedItem and RelatedLogEntries to Links
- Manager v1.15.0
  - Added ServiceIdentification and AdditionalFirmwareVersions
- ManagerAccount v1.9.0
  - Added Keys
- Manifest v1.1.0
  - Added “RegisterResourceBlock” stanza type
- Memory v1.15.0
  - Added Batteries to Links
Redfish Schema Minor Revisions (5 of 6)

- MemoryMetrics v1.5.0
  - Added `IndeterminateCorrectableErrorCount` and `IndeterminateUncorrectableErrorCount` to `CurrentPeriod` and `LifeTime`

- MetricDefinition v1.3.0
  - Added `LogicalContexts`

- PortMetrics v1.3.0
  - Added `PCleErrors` property

- PowerSupply v1.4.0
  - Added `PoweringChassis` to Links

- Processor v1.15.0
  - Added `AdditionalFirmwareVersions`

- ProcessorMetrics v1.5.0
  - Added `CorrectableCoreErrorCount`, `UncorrectableCoreErrorCount`, `CorrectableOtherErrorCount`, and `UncorrectableOtherErrorCount`
Redfish Schema Minor Revisions (6 of 6)

- ServiceRoot v1.14.0
  - Added ServiceIdentification
  - Added MultipleHTTPRequests to ProtocolFeaturesSupported
- Session v1.4.0
  - Added CreatedTime
- SoftwareInventory v1.7.0
  - Added AdditionalVersions
- Storage v1.13.0
  - Deprecated the StorageControllers array property in favor of Controllers to represent storage controllers as their own resources
- StorageController v1.6.0
  - Added Batteries to Links
- Task v1.6.0
  - Added EstimatedDuration
Redfish Schema Errata Revisions (1 of 2)

- Chassis v1.x.x
  - Modified the permissions for EnvironmentalClass to be writable
- Endpoint v1.x.x
  - Clarified the description for ConnectedPorts in Links to show its usage is to reference the external port at the other end of the link
- Event and LogEntry v1.x.x
  - Clarified the usage of OriginOfCondition for creation and deletion events
- EventDestination v1.x.x
  - Clarified behavioral semantics of MessageIds and RegistryPrefixes to account for cases where both properties and others are used simultaneously
  - Clarified the behavior of OriginResources and ResourceType to match semantics used for other control properties
- ManagerNetworkProtocol v1.x.x
  - Modified the permissions for EnterpriseSpecificMethod within SNMP to be writable
Redfish Schema Errata Revisions (2 of 2)

• Port v1.x.x
  • Clarified the descriptions for AssociatedEndpoints, ConnectedSwitches, ConnectedSwitchPorts, and ConnectedPorts in Links to better describe their intended usage
• Redundancy v1.4.1
  • Modified the permissions for RedundancyType within RedundantGroup to be writable