



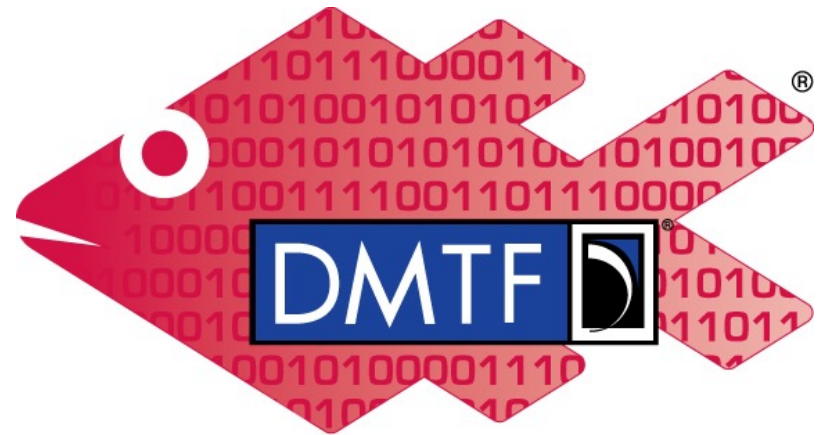
Redfish Release 2022.1

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>



Redfish



Schema and Registry Guide documents

- Redfish Resource and Schema Guide (DSP2046)
 - 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*



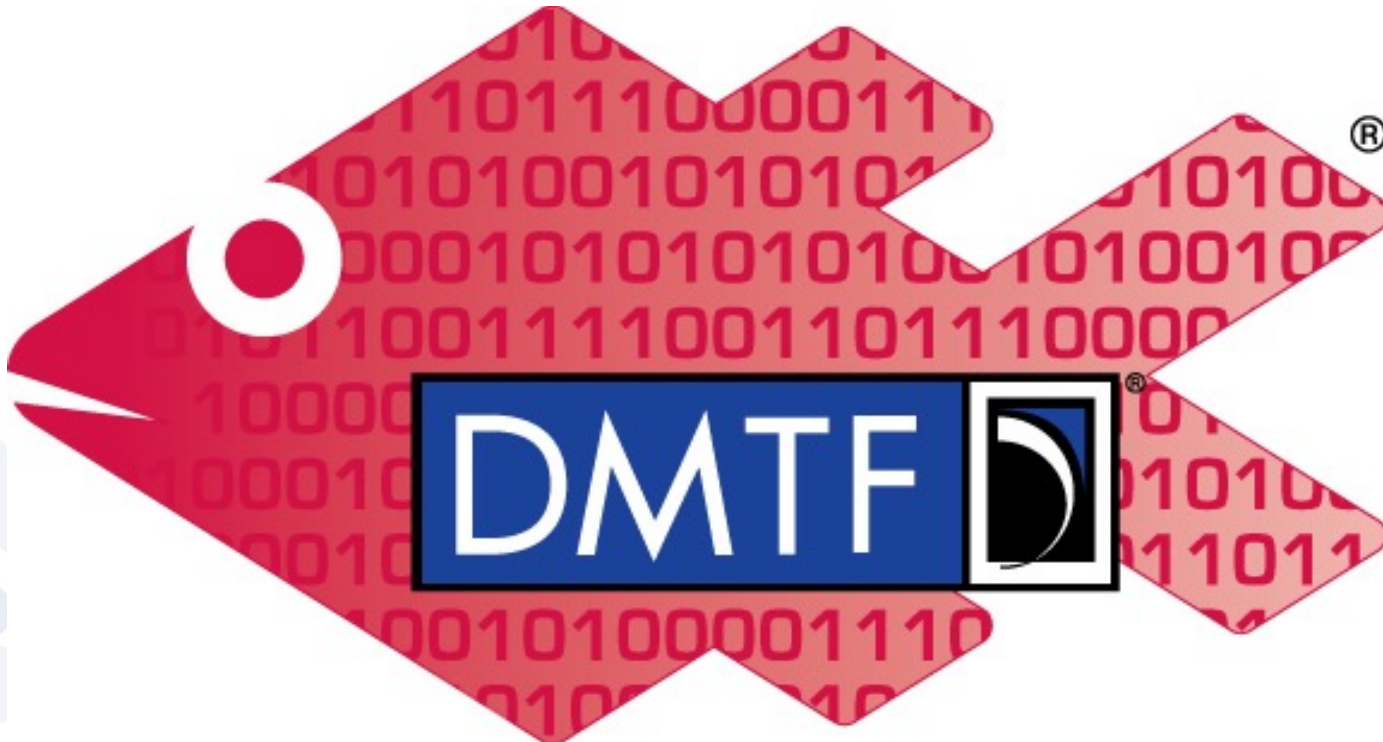
Redfish Schema Errata Revisions (1 of 2)

- 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 *ResourceTypes* 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



Redfish