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Redfish API Schema Readme

Information for Work-in-Progress version:

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

Foreword

The following files are part of the Redfish Scalable Platforms Management API ("Redfish") development effort:

- DSP0226 - Redfish Specification - this file is the main Redfish Scalable Platforms Management API Specification.
- DSP2044 - Redfish Whitepaper - this is intended to be a non-normative document helping those new to Redfish understand how to interact with the Redfish service and understand common functions and tasks.
- DSP2043 - Redfish Mockup - this is a mockup that can be used as sample of 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.
- DSP8010 - Redfish Schema - this contains the Redfish Schema definitions. These files are normative in nature and are normatively referenced by the Redfish Specification. There are two Schema formats - CSDL (OData Common Schema Definition Language format which is in XML) and JSON Schema. These Schema definitions should be functionally equivalent, thus specifying the schema in two different languages.

Redfish Work in Progress Schemas

The following new schema files are released as Work In Progress documents.

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Schema File	Version	Date	Description
(all files)	various	2016-8-12	Corrected Reference URI links to OData v4 (errata 3) and added Capabilities annotations to CSDL files.
ActionInfo	1.0.0	2016-8-12	Initial release. ActionInfo describes the parameters and other information necessary to perform a Redfish Action to a particular Action target.
Endpoint	1.0.0	2016-8-12	Initial release. An Endpoint is an entity that sends or receives protocol defined messages over a transport.
EndpointCollection	1.0.0	2016-8-12	Initial release. Collection of Endpoints.
Fabric	1.0.0	2016-8-12	Initial release. A Fabric consists of one or more Switches and may include Endpoints and Zones.
FabricCollection	1.0.0	2016-8-12	Initial release. Collection of Fabric resources.

Schema File	Version	Date	Description
MemoryChunks	1.0.0	2016-8-12	Initial release. Describes a Memory Chunk and memory Interleve Sets.
MemoryChunksCollection	1.0.0	2016-8-12	Initial release. Collection of Memory Chunks.
MemoryDomain	1.0.0	2016-8-12	Initial release. Memory Domains are used to indicate to the client which Memory (DIMMs) can be grouped together in Memory Chunks to form interleave sets or otherwise grouped together.
MemoryDomainCollection	1.0.0	2016-8-12	Initial release. Collection of Memory Domains.
PCIeDevice	1.0.0	2016-8-12	Initial release. Describes a PCIe Device attached to a system.
PCIeFunction	1.0.0	2016-8-12	Initial release. Describes a PCIe Function.
Port	1.0.0	2016-8-12	Initial release. Describes a Port of a Switch.
PortCollection	1.0.0	2016-8-12	Initial release. Collection of Ports.
SoftwareInventory	1.0.0	2016-8-12	Initial release. Describes an inventory of software components.
SoftwareInventoryCollection	1.0.0	2016-8-12	Initial release. Collection of Software components.
Switch	1.0.0	2016-8-12	Initial release. Describes a simple fabric Switch.
SwitchCollection	1.0.0	2016-8-12	Initial release. Collection of Switches.

Schema File	Version	Date	Description
UpdateService	1.0.0	2016-8-12	Initial release. Describes the Redfish Update Service.
VolumeCollection	1.0.0	2016-8-12	Initial release. Collection of Volumes.
Zone	1.0.0	2016-8-12	Initial release. Describes a simple fabric Zone.
ZoneCollection	1.0.0	2016-8-12	Initial release. Collection of Zones.
Chassis	1.3.0	2016-8-12	Added "IPBasedDrive" to "ChassisType" enumerations.
ComputerSystem	1.2.0	2016-8-12	Added "HostedServices" and "HostingRoles" properties. Added "MemoryDomains", "PCIeDevices", "PCIFunctions", and "Endpoints" links. Added "RemoteDrive" enumeration to "BootSourceOverrideTarget".
Drive	1.1.0	2016-8-12	Added "Operations" property and "Endpoints" link.
EthernetInterface	1.1.0	2016-8-12	Added "LinkStatus" property and "Endpoints" link.
EventDestination	1.1.0	2016-8-12	Added "OriginResources" and "MessageIds" properties.
LogEntry	1.1.0	2016-8-12	Added "EventType", "EventId", and "EventTimeStamp" properties.
Manager	1.2.0	2016-8-12	Added "PowerState" property.
MemoryMetrics	1.1.0	2016-8-12	Added "PredictedMediaLifeLeftPercent"

Schema File	Version	Date	Description
			property to the "HealthData" object.
Power	1.2.0	2016-8-12	Added "IndicatorLED" property to "PowerSupply" object.
Redundancy	1.1.0	2016-8-12	Added "RedundancyEnabled" property.
Resource	1.2.0	2016-8-12	Added "Deferring", "Quiesced", and "Updating" to "State" enumerations.
ServiceRoot	1.1.0	2016-8-12	Added links to "Fabrics", "StorageSystems", "StorageServices" and "UpdateService".
SessionService	1.1.0	2016-8-12	Added OEM Action capabilities.
Storage	1.1.0	2016-8-12	Added "Links" object and "Endpoints" link.
ComputerSystem	1.1.1	2016-8-12	Errata release. Clarified description of ComputerSystem and the "UUID" property.
ComputerSystem	1.0.3	2016-8-12	Errata release. Clarified description of ComputerSystem and the "UUID" property.
Drive	1.0.1	2016-8-12	Errata release. Added "Unencrypted" enumeration to EncryptionStatus and deprecated misspelled enumeration.
Event	1.1.1	2016-8-12	Errata release. Deprecated "Context" property in favor of the Event-specific "Context" contained within each Event.

Schema File	Version	Date	Description
Event	1.0.3	2016-8-12	Errata release. Deprecated "Context" property in favor of the Event-specific "Context" contained within each Event.
IPAddresses	1.0.3	2016-8-12	Errata release. Corrected validation patterns for "IPv4Address" and "SubnetMask". Added validation pattern for "Gateway".
Message	1.0.3	2016-8-12	Errata release. Corrected "MessageId" to mark it as a required property.
Resource	1.1.1	2016-8-12	Errata release. Removed errant "ReferenceableMember" entity type.
ServiceRoot	1.0.3	2016-8-12	Corrected validation pattern annotation for "RedfishVersion".
Storage	1.0.1	2016-8-12	Corrected type definition of the "Volumes" link.
Volume	1.0.1	2016-8-12	Corrected description of "VolumeType".