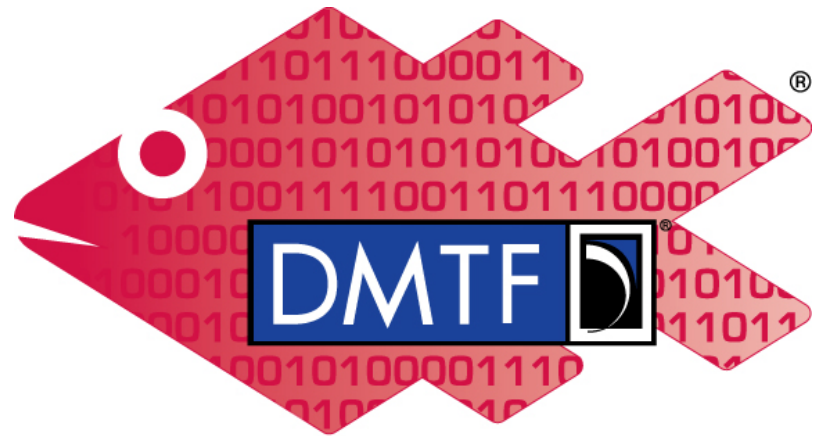# Redfish 2017 Release 2

DMTF Scalable Platforms Management Forum
September 2017

Redfish 2017 Release 2

- Redfish Specification v1.3.0
    - Adds "Apply Time" concept to Settings objects
    - Improves ETag support to avoid race conditions
    - Numerous clarifications
    - Also releasing v1.2.1 errata release
- Redfish Schema Bundle 2017.2
    - **DSP8010_2017.2.ZIP**
    - Contains current versions of all Redfish schema
- Schema minor updates
    - Expanded "Location" object definition to include physical locations at the building, room and intra-chassis levels.
    - Added "SupportedApplyTimes" to allow control over the application of Settings to a resource. This includes support for specifying maintenance windows.
    - Numerous errata and description clarifications throughout the schema
- Base Message Registry v1.2.0
    - Added new 'ResourceNotFound', 'ResourceExhaustion', 'StringValueTooLong' and 'EmptyJSON' messages.

Redfish Specification v1.3.0

- Minor release of the Specification (DSP0266)
  - Service may optionally reject a PATCH or PUT operation if the If-Match or If-Match-None HTTP header is required
    - Allows Service to avoid race conditions from multiple clients performing PATCH or PUT operations, or clients using stale data from previous GETs
    - Returns HTTP 428 response code
  - Added support for a Service to describe the "Apply Time" for Settings
    - "SupportedApplyTimes" array in the "@Redfish.Settings" annotation
      - Reports available options for applying settings to that resource
      - Maintenance Window parameters available to schedule Settings
    - Clients use "@Redfish.PreferredApplyTime" annotation in request body
      - "ApplyTime" parameter describes options to apply settings
        - "Immediate", "OnReset", and several Maintenance Window options
  - Numerous clarifications and corrections, detailed in the Change Log
- Errata release v1.2.1 includes same clarifications and corrections

Redfish Schema Minor Revisions (1 of 2)

- Memory v1.3.0
    - Added memory module-centric identification properties:
        - "ModuleManufacturerID", "ModuleProductID", "MemorySubsystemControllerManufacturerID", "MemorySubsystemControllerProductID"
    - Deprecated "FunctionClasses"
        - Duplicative, unstructured string data
    - Deprecated the PCIe-centric identification properties:
        - "VendorID", "DeviceID", "SubsystemVendorID", and "SubsystemDeviceID"
- PhysicalContext v1.2.0
    - Added "Chassis" and "Fan" as enumerations
- Power v1.4.0
    - Added "PhysicalContext" to "PowerControl" object

Redfish Schema Minor Revisions (2 of 2)

- Resource v1.5.0
  - Expanded the "Location" object with new sub-objects to cover in-room and intra-chassis location identification
  - Deprecated "Info" and "InfoFormat" properties in favor of these sub-objects
- Role v1.2.0
  - Added "RoleId" property to enable references from ManagerAccount
- Settings v1.1.0
  - Added "SupportedApplyTimes" to allow control over the application of Settings to a resource. This includes support for specifying maintenance windows.
- Storage v1.2.0
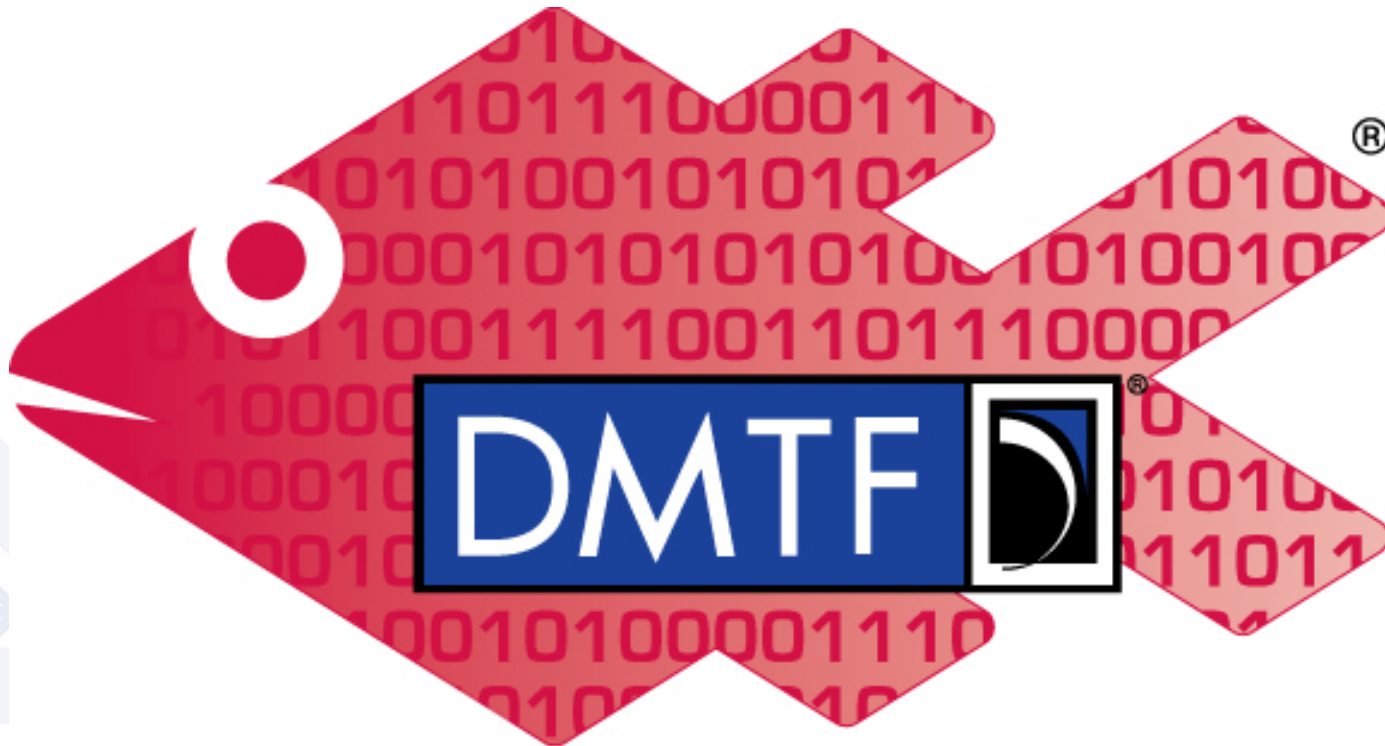 - Added common "Name" property to "StorageController" object

Errata Schema Revisions

- Clarified usage of the "IndicatorLED" and "ServiceEnabled" enumerations throughout the data model
- Removed errant auto-expand annotations within "Redundancy"
- EventDestination v1.x.x
  - Added clarifications to "OriginResources" and "MessageId" usage
- EventService v1.x.x
  - Added clarifications to "DeliveryRetryAttempts" usage
- Manager v1.x.x
  - Corrected enumeration descriptions for "CommandShell"
- ManagerAccount v1.x.x
  - Added clarifications to "RoleId" usage.
- SerialInterface v1.x.x
  - Removed errant periods in enumeration strings

Q&A & Discussion

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