Redfish 2018 Release 1

- **Redfish Specification v1.5.0**
  - **NEW** Server-sent Eventing (SSE) Support
  - OperationApplyTime annotation
    - Behavior of Create, Delete or Action (POST) operations
- **Redfish Specification v1.4.1**
  - Errata release with numerous clarifications
- **Redfish Schema Bundle 2018.1**
  - **DSP8010_2018.1.ZIP** - contains current versions
- **NEW Schemas v1.0.0**
  - ExternalAccountProvider – LDAP / ActiveDirectory support
- **Updated schemas (highlights)**
  - AccountService – LDAP / ActiveDirectory support for Redfish
  - EventService & EventDestination – Server-sent Eventing support
  - Processor – Added “SubProcessor” information for Cores and Threads
  - Settings – Added “OperationApplyTime” and “MaintenanceWindow” support

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Redfish Specification v1.5.0 and v1.4.1

- Minor release of the Redfish Specification (DSP0266) v1.5.0
  - Adds support for Server Sent-Eventing (SSE)
    - Enables streaming events to web-based GUIs and other clients
  - OperationApplyTime annotation
    - Provides mechanism for specifying deterministic behavior for the application of Create, Delete or Action (POST) operations
  - Includes all errata from v1.4.1
- Errata release of the Specification (DSP0266) v1.4.1
  - Numerous clarifications and corrections, detailed in the Change Log
New Redfish Schemas for 2018.1

• **ExternalAccountProvider v1.0.0**
  - Single LDAP or ActiveDirectory instances are supported within updated AccountService resource
  - A Collection of “ExternalAccountProviders” describes additional providers, or allows for multiple LDAP/AD trees if Service supports their usage
    • Uses same properties and definitions as the single-instance LDAP and ActiveDirectory objects within AccountService
Redfish Schema Minor Revisions (1 of 3)

- **AccountService v1.3.0**
  - Added support for LDAP and Active Directory external account providers.
    - Provide configuration parameters to enable Redfish Services to utilize network-based authentication instead of requiring individual (local) accounts
    - Removes need to maintain separate credentials for each Redfish Service
  - Added link to additional *ExternalAccountProviders*

- **Assembly v1.1.0**
  - Added *Status* to *AssemblyData*

- **AttributeRegistry v1.2.0**
  - Added *ResetRequired*, *UefiDevicePath*, *UefiKeywordName*, and *UefiNamespaceId* attributes to registry entries.

- **Chassis v1.7.0**
  - Added *UUID* property
  - Added *Switches* resource link

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Redfish Schema Minor Revisions (2 of 3)

- Drive v1.4.0
  - Deprecated *Location* array in favor of singular *PhysicalLocation*
- EventDestination v1.3.0
  - Added *SubscriptionType* to allow for Server-Sent Eventing support
- EventService v1.1.0
  - Added *ServerSentEventUri* to support Server-Sent Eventing (SSE)
- Manager v1.4.0
  - Added *AutoDSTEnabled* property
  - Added *Switches* resource link
- Memory v1.5.0
  - Deprecated poorly-named *PassphraseState* in *Regions* object and added *PassphraseEnabled* to replace it.

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Redfish Schema Minor Revisions (3 of 3)

- **PCleFunction v1.2.0**
  - Added `NetworkDeviceFunction` resource link
- **Processor v1.4.0**
  - Added `SubProcessors` collection to provide details on ‘cores’ and ‘threads’
  - Added ‘Core’ and ‘Thread’ to `ProcessorType`
- **ResourceBlock v1.1.0**
  - Added properties to support sharing capabilities
- **Settings v1.2.0**
  - Added `OperationApplyTimeSupport` and `MaintenanceWindow` objects to provide deterministic behavior for the application of Settings-based data
- **SoftwareInventory v1.2.0**
  - Added `Manufacturer` and `ReleaseDate` properties
- **Task v1.2.0**
  - Added `TaskMonitor` property

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Errata Schema Revisions

- Description clarifications in numerous schemas
- AttributeRegistry v1.x.x
  - Corrected *regex patterns for various properties*
- EventService v1.0.7
  - Fixed permissions on *DeliveryRetryAttempts* and *DeliveryRetryIntervalSeconds* properties.
- ManagerAccount v1.x.x
  - Clarified the *RoleId* property description by stating its relation to *RoleId* in the Role resource.
- UpdateService v1.x.x
  - Regenerated JSON schema to pick up action parameters added in previous release
- Complete errata details shown in the Change Log within DSP8010
Q&A & Discussion

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