



Redfish Protocol

CRUD Operations from REST

- POST = Create (plus actions)
- GET = Read
- PUT & PATCH = Update
- DELETE = Delete
- HEAD = Get lite

Discovery

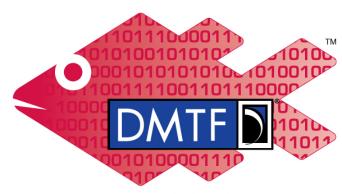
SSDP used for discovery of endpoint

Security

 Root can be read unauthenticated. Can POST to Sessions Collection unauthenticated (that's how a session is established).

Schema

CSDL & JSON Schema can be located via the Redfish Service



Redfish



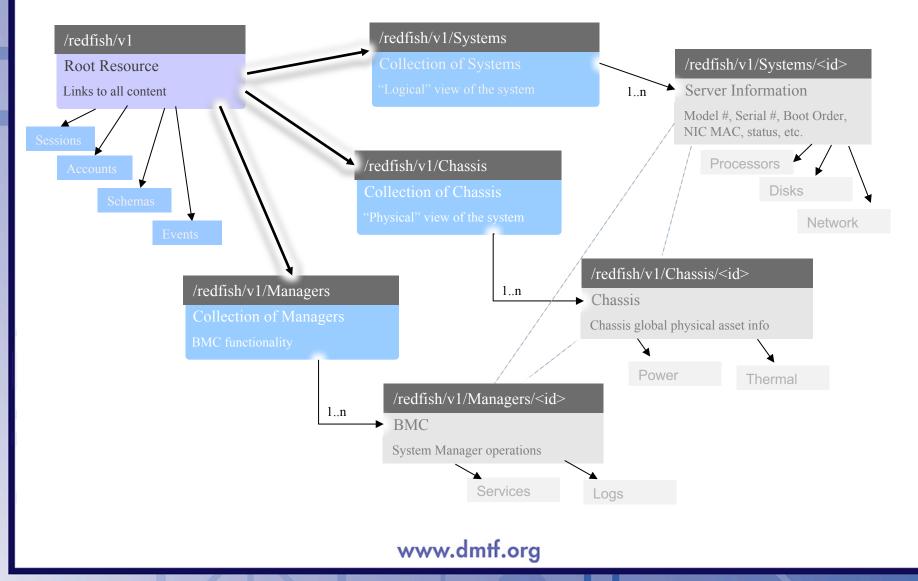
Introduction to the Redfish data model

- All resources linked from a Service Entry point (root) Hypermedia API
 - Always located at URL: /redfish/v1
 - Can do a GET on /redfish to find versions (only v1 right now)
 - Each Resource has it's schema version as a property.
- Major resource types structured in "collections" to allow for standalone, multinode, or aggregated rack-level systems
 - Additional related resources fan out from members within these collections
- ComputerSystem: properties expected from an OS console
 - Items needed to run the "computer"
 - Roughly a logical view of a computer system as seen from the OS
- Chassis: properties needed to locate the unit with your hands
 - Items needed to identify, install or service the "computer"
 - Roughly a physical view of a computer system as seen by a human
- Managers: properties needed to perform administrative functions
 - aka: the systems management subsystem (BMC)

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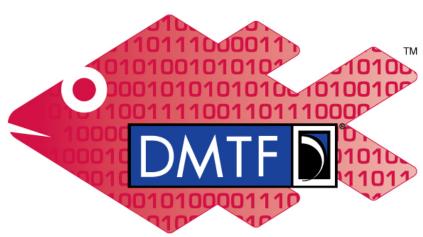
Resource map (highlights)





Thank you for watching!

- Redfish Developer Portal
 - Redfish Interactive Explorer, Hosted Schema at Namespace & other links
 - http://redfish.dmtf.org
- Redfish Standards
 - Schemas, Specs, Mockups, White Papers, FAQ, Educational Material & more
 - http://www.dmtf.org/standards/redfish
- SPMF (WG that defines Redfish)
 - Companies involved, Upcoming Schedules & Future work, Charter, Information on joining.
 - http://www.dmtf.org/standards/spmf



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