

# Redfish API Specification

## Referenced Versions

- Redfish Scalable Platforms Management API Specification [1.1.0](#)
- Redfish Schema Version [2016.3](#)

All other referred versions, such as JSON, ODATA and SSDP, are corresponding to the [normative references](#) of the Redfish Scalable Platforms Management API Specification of the version noted above.

## API Mapping (main components)

| RECS Box Component | Redfish API Resource                                         | Redfish Schema                                                | Notes                                                                      |
|--------------------|--------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------|
| Root               | ServiceRoot                                                  | <a href="#">ServiceRoot.v1_1_1</a>                            |                                                                            |
| Enclosure          | Chassis (ChassisType = Enclosure)                            | <a href="#">Chassis.v1_4_0</a>                                |                                                                            |
| Baseboard-Blade    | Chassis (ChassisType = Blade)                                | <a href="#">Chassis.v1_4_0</a>                                | Dual-LP-Baseboards are treated as one Blade                                |
| Extension-Blade    | Chassis (ChassisType = Expansion)                            | <a href="#">Chassis.v1_4_0</a>                                | expands the (COM-Express) Baseboard-Blade                                  |
| PCIe Card          | PCIeDevice                                                   | <a href="#">PCIeDevice.v1_0_1</a>                             | any PCIe Card in an Extension-Blade                                        |
| Compute Node       | ComputerSystem (SystemType = Physical)                       | <a href="#">ComputerSystem.v1_3_0</a>                         | COM-Express, Apalis and Jetson Modules                                     |
| Local Storage      | SimpleStorage                                                | <a href="#">SimpleStorage.v1_1_1</a>                          | e.g. M.2 SATA SSD @ COM Express Node or eMMC @ Apalis-/Jetson Module       |
| Storage Extension  | Storage                                                      | <a href="#">Storage.v1_1_1</a>                                | PCIe attached Storage                                                      |
| Ethernet Switch    | EthernetSwitch from Intel PSME REST API (Apache 2.0 License) | <a href="#">Intel RSD PSME API</a> or <a href="#">GitHub</a>  | currently not in official Redfish API                                      |
| PCIe Switch        | PCISwitch v0.9.0 (work in progress)                          | <a href="#">Redfish PCIe and FW Update Schemas (ZIP file)</a> | maybe treated transparently not officially released yet (work in progress) |
| Crosspoint Switch  |                                                              |                                                               | maybe treated transparently                                                |
| Composed Node      | ComposedNode from Intel PSME REST API (Apache 2.0 License)   | <a href="#">Intel RSD PSME API</a> or <a href="#">GitHub</a>  | to be checked if it really fits our needs                                  |

## Schema Definition

- [Schema Definition](#)

## API Definition

- [Protocol version](#)
- [Service Root](#)
  - [Account Service](#)
  - [Session Service](#)
  - [Manager Collection](#)
  - [Chassis Collection](#)
  - [System Collection](#)
  - [Ethernet Switch Collection](#)
  - [PCIe Switch Collection](#)
  - [Composed Node Collection](#)

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