



Redfish

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Redfish Ethernet Switch Proposal Readme

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

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Foreword

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The DMTF released the "[YANG-to-Redfish Mapping Specification](#)" as work-in-progress in October 2016. The document specifies how to convert a YANG model to a Redfish model.

This proposal was produced by mapping of the following OpenConfig YANG modules.

- openconfig-acl
- openconfig-interfaces
- openconfig-lacp
- openconfig-ldp
- openconfig-local-routing
- openconfig-qos

There are difference in Redfish schema mapped from YANG models. The most salient are:

- The Redfish metafile name may not be Pascal case. The capitalization from the YANG model statement is used.
- The Redfish metafile includes multiple entities.

Redfish Work-in-Progress Schemas

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

Schema File	Version	Date	Description
ServiceRoot	1.3.0a	2017-04-14	Add NetworkDevices to service root.
RedfishYangExtensions	1.0.0a	2017-04-14	Initial release. Definitions specific to the schema generated from YANG models.

1. Primary YANG modules

Schema File	Version	Date	Description
openconfig_acl	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-acl.yang.
openconfig_interfaces	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-interfaces.yang.
openconfig_lacp	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-lacp.yang.
openconfig_lld	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-lldp.yang.
openconfig_local_routing	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-local-routing.yang.
openconfig_qos	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-qos.yang.

2. Referenced YANG modules

Schema File	Version	Date	Description
openconfig_alarm_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-alarm-types.yang.
openconfig_extensions	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-extensions.yang.
openconfig_if_aggregate	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-if-aggregate.yang.
openconfig_if_ethernet	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-if-ethernet.yang.
openconfig_if_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-if-types.yang.
openconfig_inet_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-inet-types.yang.

openconfig_network_instance	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-network-instance.yang.
openconfig_network_instance	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-network-instance.yang.
openconfig_network_instance_l2	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-network-instance-l2.yang.
openconfig_network_instance_l3	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-network-instance-l3.yang.
openconfig_network_instance_policy	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-network-instance-policy.yang.
openconfig_network_instance_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-network-instance-types.yang.
openconfig_packet_match	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-packet-match.yang.
openconfig_packet_match_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-packet-match-types.yang.
openconfig_platform	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-platform.yang.
openconfig_platform_cpu	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-platform-cpu.yang.
openconfig_platform_ext	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-platform-ext.yang.
openconfig_platform_fan	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-platform-fan.yang.
openconfig_platform_linecard	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-platform-linecard.yang.
openconfig_platform_port	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-platform-port.yang.
openconfig_platform_psu	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-platform-psu.yang.
openconfig_platform_tranceiver	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-platform-tranceiver.yang.
openconfig_platform_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-platform-types.yang.
openconfig_qos	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-qos.yang.
openconfig_qos_elements	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-qos-elements.yang.
openconfig_qos_interfaces	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-qos-interfaces.yang.

openconfig_qos_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-qos-types.yang.
openconfig_transport_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-transport-types.yang.
openconfig_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-types.yang.
openconfig_vlan	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-vlan.yang.
openconfig_vlan_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-vlan-types.yang.
openconfig_yang_types	1.0.0a	2020-01-24	Initial release. Mapped from openconfig-yang-types.yang.