Netconf & OpenConfig Support in OcNOS

Netconf Configuration/Operational Datamodel Support

The following data models are supported in OcNOS.

AAA

- ipi-aaa-types.yang
- ipi-aaa.yang

Access Control Lists (ACL)

- ipi-acl-types.yang
- ipi-acl-common.yang
- ipi-acl.yang
- ipi-acl-arp.yang
- ipi-acl-ipv6.yang
- ipi-acl-mac.yang
- ipi-acl-ports.yang

ARP

- ipi-arp-types.yang
- ipi-arp.yang

authd – authradius

- ipi-authentication-dot1x-interface.yang
- ipi-authentication-radius.yang
- ipi-authentication.yang
- ipi-authentication-mac-interface.yang
- ipi-authentication-types.yang

BFD

- ipi-bfd.yang
- ipi-bfd-interface.yang
- ipi-bfd-session.yang
- ipi-bfd-common.yang
- ipi-bfd-types.yang

BGP Peer Group

- ipi-bgp-peer-group.yang
- ipi-bgp.yang
- ipi-bgp-types.yang

BGP-LS

- ipi-bgp-address-family.yang
- ipi-bgp-link-state.yang

BGP-LU 6PE/6VPE Support

- ipi-bgp-address-family.yang
- ipi-bgp-address-family-vrf.yang
- ipi-bgp-common.yang
- ipi-bgp.yang
- ipi-bgp-vrf.yang
- ipi-bgp-instance.yang

BRIDGE

- ipi-bridge-types.yang
- ipi-bridge.yang

Broadcom Forwarding Profiles and Load Balancing

- ipi-platform-types.yang
- ipi-platform-profile.yang

CFM – Part 1 (MD/MA/MEP/CCM)

- ipi-cfm-data-types.yang
- ipi-cfm-common.yang
- ipi-cfm.yang

Cross-connect

- ipi-cross-connect.yang
- ipi-cross-connect-types.yang

Custom Statistics

- ipi-customstats.yang

DHCP

- ipi-dhcp-relay-types.yang
- ipi-dhcp-relay.yang
- ipi-dhcp-client.yang
- ipi-dhcp.yang

DHCP Snooping

- ipi-dhcp-snooping-types.yang
- ipi-dhcp-snooping.yang
- ipi-dhcp-snooping-interface.yang

DNS

- ipi-dns-client.yang
- ipi-dns-relay.yang

EVPN Runtime Attributes and BGP EVPN RIB

- ipi-evpn-mpls-types.yang
- ipi-evpn-mpls.yang
- ipi-bgp-evpn-rib.yang

EVPN VxLAN

- ipi-vxlan-types.yang
- ipi-vxlan.yang
- ipi-ethernet-vpn.yang

Hostpd

- ipi-host-ldap.yang
- ipi-host-rbac.yang
- ipi-role-based-access-control.yang

IGMP

- ipi-igmp-types.yang
- ipi-igmp.yang
- ipi-igmp-interface.yang
- ipi-igmp-groups.yang

IGMP Snooping

- ipi-igmp-snooping-types.yang
- ipi-igmp-snooping.yang

Interface

- ipi-if-ethernet.yang
- ipi-if-ip.yang

IPv6 Router Advertisement

- ipi-ipv6-router-adv.yang

ISIS

- ipi-isis-cspf.yang
- ipi-isis-extended.yang
- ipi-isis-interface.yang
- ipi-isis-lsp.yang
- ipi-isis-sr.yang
- ipi-isis-types.yang
- ipi-isis.yang

Keychain

- ipi-keychain.yang

IP infusion

L2 and L3 Interfaces/Subinterfaces

- ipi-interface.yang
- ipi-if-extended.yang
- ipi-if-types.yang

l2mribd – mldsnooping

- ipi-mld-snooping-types.yang
- ipi-mld-snooping.yang

LAG

- ipi-lacp.yang
- ipi-lag-types.yang
- ipi-if-aggregate.yang

LDP

- ipi-ldp-types.yang
- ipi-ldp.yang
- ipi-ldp-interface.yang
- ipi-ldp-peer.yang
- ipi-ldp-l2vpn.yang

License

- ipi-license.yang
- ipi-license-types.yang

LLDP

- ipi-lldpv2.yang
- ipi-lldp-types.yang

Logging

- ipi-logging-remote.yang
- ipi-logging-types.yang
- ipi-logging.yang
- ipi-logging-fault-management.yang
- ipi-logging-cli.yang

MLAG

- ipi-mlag.yang
- ipi-mcec.yang

- ipi-mlag-types.yang
- ipi-mcec-types.yang

MPLS – Static FTN/ILM and Label Management

- ipi-mpls.yang
- ipi-mpls-types.yang

MPLS-RIB – IPv6 FTN/ILM tables

- ipi-mpls-rib.yang

MRIBD – mld

- ipi-mld-groups.yang
- ipi-mld-types.yang
- ipi-mld-interface.yang
- ipi-mld.yang

MRIBD – mrib6

- ipi-mrib-ipv6.yang

Multicast Routing - IPv4 (MRIB-IPv4)

- ipi-mrib-types.yang
- ipi-mrib.yang
- ipi-mrib-common.yang
- ipi-mrib-ipv4.yang

Network Discovery

- ipi-nd-types.yang
- ipi-neighbor-discovery.yang

Network Services Manager

- ipi-network-services-manager.yang

NSM – mplsbfd

- ipi-mpls-bfd.yang

NSM – rpf

- ipi-unicast-rpf

NTP

- ipi-ntp-types.yang
- ipi-ntp.yang

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ONMD – cfm

- ipi-cfm-common.yang
- ipi-cfm-data-types.yang
- ipi-cfm-mpls-y1731.yang
- ipi-cfm-mpls.yang
- ipi-cfm-y1731.yang
- ipi-cfm.yang

ONMD – erpsv2

- ipi-erpsv2-types.yang
- ipi-erpsv2.yang

OSPF Interface Tracking

- ipi-ospf-interface-tracking-types.yang
- ipi-ospf-interface-tracking.yang

OSPFv2

- ipi-ospf.yang
- ipi-ospf-area.yang
- ipi-ospf-debug.yang
- ipi-ospf-global.yang
- ipi-ospf-multi-area-interface.yang
- ipi-ospf-redistribute.yang
- ipi-ospf-timers.yang
- ipi-ospf-authentication.yang
- ipi-ospf-distribute-lists.yang
- ipi-ospf-interface.yang
- ipi-ospf-processes-state.yang
- ipi-ospf-te-link.yang
- ipi-ospf-types.yang

OSPFv3

- ipi-ospfv3-address-family.yang
- ipi-ospfv3-area.yang
- ipi-ospfv3-distribute-list.yang
- ipi-ospfv3-interface-state.yang
- ipi-ospfv3-process-state.yang

- ipi-ospfv3-types.yang
- ipi-ospfv3-area-state.yang
- ipi-ospfv3-debug.yang
- ipi-ospfv3-global.yang
- ipi-ospfv3-interface.yang
- ipi-ospfv3-redistribute.yang
- ipi-ospfv3.yang

PBR

- ipi-pbr.yang

PCEP

- ipi-pcep.yang
- ipi-pcep-lsp.yang
- ipi-pcep-peer.yang
- ipi-pcep-stats.yang
- ipi-pcep-types.yang
- ipi-rsvp-trunk.yang (Enabled PCEP related Netconf support in existing datamodel)

PIMD - PIM

- ipi-pim-debug.yang
- ipi-pim.yang

PIMD – PIM4

- ipi-pim-ipv4-interface.yang
- ipi-pim-ipv4-types.yang
- ipi-pim-ipv4-bidir.yang
- ipi-pim-ipv4-msdp.yang
- ipi-pim-ipv4.yang
- ipi-pim-ipv4-debug.yang
- ipi-pim-ipv4-redundancy.yang

PIMD – PIM6

- ipi-pim-debug.yang
- ipi-pim-ipv6-interface.yang
- ipi-pim-ipv6.yang

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- ipi-pim-ipv6-state.yang
- ipi-pim-ipv6-debug.yang
- ipi-pim-ipv6-types.yang

Ping

- ipi-ping-types.yang
- ipi-ping.yang

Platform

- ipi-platform-chassis.yang
- ipi-platform-fan.yang
- ipi-platform-power-supply.yang
- ipi-platform-storage.yang
- ipi-platform-cpu.yang
- ipi-platform-temperature.yang
- ipi-platform-types.yang
- ipi-platform-fan-tray.yang
- ipi-platform-power-rail.yang
- ipi-platform-ram.yang
- ipi-platform.yang
- ipi-platform-profile.yang
- ipi-platform-profile-extended.yang
- ipi-transport-line-common.yang
- ipi-platform-transceiver.yang
- ipi-platform-transceiver-types.yang

Port Mirror

- ipi-port-mirror-types.yang
- ipi-port-mirror.yang

Prefix List

- ipi-prefix-list-types.yang
- ipi-prefix-list.yang

Private VLAN

- ipi-vlan.yang
- ipi-port-vlan.yang

PTP

- ipi-ptp-types.yang
- ipi-ptp.yang
- ipi-ptp-notifications.yang

QoS

- ipi-qos.yang
- ipi-qos-if.yang
- ipi-qos-types.yang

RADIUS

- ipi-radius-types.yang
- ipi-radius.yang

RAS

- ipi-ras.yang

RIB

- ipi-rib-common.yang
- ipi-rib-types.yang
- ipi-rib-vrf.yang
- ipi-rib.yang

RIPD – rip

- mo_ipi-rip.xml
- mo_ipi-rip-vrf.xml
- mo_ipi-rip-common.xml
- mo_ipi-rip-types.xml

RIPngd – ripng

- mo_ipi-ripng-common.xml
- mo_ipi-ripng-vrf.xml
- mo_ipi-ripng-types.xml
- mo_ipi-ripng.xml

Route Map

- ipi-routemap-types.yang
- ipi-routemap.yang

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RSVP

- ipi-rsvp-types.yang
- ipi-rsvp.yang
- ipi-rsvp-interface.yang
- ipi-rsvp-session.yang

Segment Routing

- ipi-segment-routing.yang
- ipi-sr-types.yang

sFlow

- ipi-sflow.yang
- ipi-sflow-interface.yang
- ipi-sflow-types.yang

SNMP Server

- ipi-snmp-server.yang
- ipi-snmp-server-extended-types.yang
- ipi-snmp-server-extended.yang

SNMP Traps

- ipi-snmp.yang
- ipi-snmp-types.yang

Source-Interface

- ipi-source-interface-types.yang
- ipi-source-interface.yang

SyncE

- ipi-synce-types.yang
- ipi-synce.yang

System

- ipi-watchdog.yang
- ipi-watchdog-types.yang
- ipi-sys-mgmt.yang
- ipi-sys-notifications.yang
- ipi-sys-update.yang
- ipi-system.yang

TACACS+

- ipi-tacacs.yang
- ipi-tacacs-types.yang

Telnet and SSH

- ipi-telnet.yang
- ipi-ssh-types.yang
- ipi-ssh.yang

Trigger Failover (TFO)

- ipi-tfo-types.yang
- ipi-tfo.yang

TWAMP

- ipi-twamp.yang
- ipi-twamp-types.yang

UDLD

- ipi-udld.yang
- ipi-udld-interface.yang
- ipi-udld-types.yang

User Management

- ipi-user-management-types.yang
- ipi-user-management.yang

User Session Management

- ipi-user-session-management-types.yang
- ipi-user-session-management.yang

VLAN

- ipi-port-vlan-types.yang
- ipi-vlan-types.yang

VPLS – Operational data

- ipi-l2vpn-vpls.yang
- ipi-vpls-types.yang

VPWS – Operational data

- ipi-vpws-types.yang
- ipi-l2vpn-vpws.yang

VRF

- ipi-network-instance-types.yang
- ipi-network-instance.yang
- ipi-vrf.yang

VRRP

- ipi-vrrp-common.yang
- ipi-vrrp-debug.yang
- ipi-vrrp-global.yang

- ipi-vrrp-ipv4.yang
- ipi-vrrp-ipv6.yang
- ipi-vrrp-types.yang
- ipi-vrrp.yang

xSTP - Operational attributes (GetAPI)

- ipi-xstp-types.yang
- ipi-xstp.yang

OpenConfig Netconf Support

Supported OpenConfig Models

The following OpenConfig data models are supported in this release.

- openconfig-acl
- openconfig-alarms.yang
- openconfig-alarm-types
- openconfig-bgp
- openconfig-bgp-policy
- openconfig-bgp-types
- openconfig-evpn
- openconfig-extensions
- openconfig-if-aggregate
- openconfig-if-ethernet
- openconfig-if-ip
- openconfig-if-tunnel
- openconfig-if-types
- openconfig-inet-types
- openconfig-interfaces
- openconfig-interfaces
- openconfig-lacp
- openconfig-lldp.yang
- openconfig-lldp-types.yang
- openconfig-local-routing
- openconfig-mpls

- openconfig-mpls-ldp
- openconfig-mpls-types
- openconfig-network-instance
- openconfig-network-instance-l3
- openconfig-network-instance-types
- openconfig-ospf-types
- openconfig-ospfv2
- openconfig-packet-match
- openconfig-packet-match-types
- openconfig-platform
- openconfig-platform-linecard
- openconfig-platform-port
- openconfig-platform-transceiver
- openconfig-platform-types
- openconfig-policy-types
- openconfig-qos
- openconfig-qos-types
- openconfig-rib-bgp
- openconfig-rib-bgp-types
- openconfig-routing-policy
- openconfig-system

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- openconfig-system-logging
- openconfig-terminal-device
- openconfig-transport-line-common.yang
- openconfig-transport-types

- openconfig-types
- openconfig-vlan
- openconfig-vlan-types

To get details of attributes supported please refer to *OpenConfig Command Reference*.

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