



Enhancements to Data Models

This section provides an overview of the enhancements made to data models.

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Enhancements to Sensor Paths

This section provides an overview about the sensor paths introduced or enhanced across Cisco IOS XR releases.

Table 1: Feature History Table

Feature Name	Release Information	Description
Telemetry Support for OpenConfig Interfaces, IPv4 and IPv6 Addresses and State	Release 7.4.2	<p>This feature provides telemetry GNMI and GRPC support for the following <code>openconfig-if-ip.yang</code> sensor paths. Previously, only NETCONF <code>edit-config</code>, <code>get-config</code> and <code>get</code> operations were supported. With this new feature, telemetry polling at a cadence or on-change can be retrieved for IPv4 and IPv6 data.</p> <ul style="list-style-type: none"> • <code>/oc-if:interfaces/oc-if:interface/oc-if:subinterfaces/oc-if:subinterface/ipv6/</code> <ul style="list-style-type: none"> • <code>addresses/address[ip]/state/ip</code> • <code>addresses/address[ip]/state/prefix-length</code> • <code>addresses/address[ip]/state/origin</code> • <code>state/enabled</code> • <code>state/mtu</code> • <code>state/dup-addr-detect-transmits</code> • <code>state/counters/in-pkts</code> • <code>state/counters/in-octets</code> • <code>state/counters/out-pkts</code> • <code>state/counters/out-octets</code> • <code>state/openconfig-if-ip-ext:autoconf/create-global-addresses</code> • <code>/oc-if:interfaces/oc-if:interface/oc-if:subinterfaces/oc-if:subinterface/ipv4/</code> <ul style="list-style-type: none"> • <code>addresses/address[ip]/state/ip</code> • <code>addresses/address[ip]/state/prefix-length</code> • <code>addresses/address[ip]/state/origin</code> • <code>state/mtu</code> • <code>state/dhcp-client</code> • <code>state/in-pkts</code> • <code>state/in-octets</code> • <code>state/out-pkts</code> • <code>state/out-octets</code> <p>You can access this data model from the Github repository.</p>