



Reference - Supported Subservices

The following tables provide details of supported Service Health L2VPN/L3VPN flavors and associated subservices (for IOS XE and IOS XR devices).

Table 1: Supported VPN Services with Associated Subservices (for IOS XE Devices)

Supported VPN Services	Associated Subservices	Details
L2VPN Point to Point with SR underlay	<ul style="list-style-type: none"> • Path Reachability • Y.1731 Health • VPN Interface Health • Device Health • Summary (aggregator) nodes 	IOS XE does not support SNMP/gNMI this subservice (CEF route; PCEP Session State; XConnect).
L2VPN Point to Point over MPLS LDP	<ul style="list-style-type: none"> • Path Reachability • Y.1731 Health • VPWS Control Plane health • VPN Interface Health • Device Health • Summary (aggregator) nodes 	IOS XE does not support SNMP/gNMI this subservice (CEF route; XConnect).
L2VPN P2P Plain	<ul style="list-style-type: none"> • Path Reachability • Y.1731 Health • VPN Interface Health • Device Health • Summary (aggregator) nodes 	IOS XE does not support SNMP/gNMI this subservice (CEF route; XConnect). Note: The reference to 'Plain' implies that traffic takes the IGP path and does not use SR.

L3VPN SR	<ul style="list-style-type: none"> • Path Reachability • CE-PE Route Health • eBGP Neighbor Health • VPN Interface Health • BGP Neighbor Health (DynExp) • Summary (aggregator) nodes 	IOS XE does not support SNMP/gNMI col... this subservice (CEF route; PCEP Session S... is also not supported.
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Table 2: Supported VPN Services with Associated Subservices (for IOS XR Devices)

Supported VPN Services	Associated Subservices
L2VPN EVPN SR	<ul style="list-style-type: none"> • Path Reachability • Fallback Enabled/Disabled (DynExp) • SR Policy – PCC • Path SLA • Y.1731 Health • VPWS Control Plane Health • VPN Interface Health • Device Health • EVPN Health • BGP Neighbor Health (DynExp) • BGP Nexthop Health (DynExp) • PCEP Session Health (DynExp) • SR Policy – PCE • Summary (aggregator) nodes

L2VPN EVPN Plain	<ul style="list-style-type: none"> • Path Reachability • Path SLA • Plain LSP Path Health (DynExp) • VPWS Control Plane health • VPN Interface Health • Device Health • EVPN Health • BGP Neighbor Health (DynExp) • BGP Nexthop Health (DynExp) • Summary (aggregator) nodes <p>Note: The reference to 'Plain' implies that L2VPN/L3VPN traffic takes the IGP path and does not use any transports, like SR.</p>
L2VPN Point to Point over RSVP	<ul style="list-style-type: none"> • Path Reachability • Fallback Enabled/Disabled • RSVP-TE Health • Path SLA • Y.1731 Health • VPWS Control Plane Health/Xconnect Health • VPN Interface Health • Device Health
L2VPN Point to Point with SR underlay	<ul style="list-style-type: none"> • Path Reachability • Fallback Enabled/Disabled • SR Policy – PCC • Path SLA • Y.1731 Health • VPWS Control Plane Health • VPN Interface Health • Device Health • PCEP Session Health (DynExp) • SR Policy – PCE • Summary (aggregator) nodes

L2VPN Point to Point over MPLS LDP	<ul style="list-style-type: none"> • Path Reachability • Fallback Enabled/Disabled • Path SLA • Y.1731 Health • VPWS Control Plane Health • VPN Interface Health • Device Health • Summary (aggregator) nodes
L2VPN P2P Plain	<ul style="list-style-type: none"> • Path Reachability • Plain LSP Path Health • Path SLA • Y.1731 Health • VPWS Control Plane Health • VPN Interface Health • Device Health • Summary (aggregator) nodes <p>Note: The reference to ‘Plain’ implies that L2VPN/L3VPN traffic takes the IGP path and does not use any transports, like SR.</p>
L3VPN SR	<ul style="list-style-type: none"> • CE-PE Route Health • eBGP Neighbor Health • VPN Interface Health • Device Health • Path Reachability • Vrf Plain LSP Path Health • PCEP Session Health (DynExp) • BGP Neighbor Health (DynExp) • Summary (aggregator) nodes • SR and SRv6 polices