

Network Interfaces

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A network interface in Cisco Catalyst SD-WAN is a network component that,

- is associated with a VPN, and
- is configured and enabled within that VPN.

Each interface can be present only in a single VPN. Create VPN feature templates to configure VPN parameters, and then create interface feature templates to configure the interfaces in the VPN.

Interface operational requirements

For an interface to be operational, you must configure an IP address for the interface and mark it as operational (no shutdown). In practice, you always configure additional parameters for each interface.

You can configure up to 512 interfaces on a Cisco IOS XE Catalyst SD-WAN device. This number includes physical interfaces, loopback interfaces, and subinterfaces.

Configure each network interface on a device with a unique IP address.

Note To maximize the efficiency of the load-balancing among Cisco SD-WAN Controllers, use sequential numbers when assigning system IP addresses to the Cisco IOS XE Catalyst SD-WAN devices in the domain. Example of a sequential numbering schemes is 172.16.1.1, 172.16.1.2, 172.16.1.3, and so on.

If you try to configure an interface or sub-interface beyond the supported limit, the device generates a notification to Cisco SD-WAN Manager.

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