



QinQ

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QinQ — allows multiple VLAN tags to be inserted into a single frame.

QinQ can be used to tunnel vlans in a vlan.

vif-s and **vif-c** stand for the ethertype tags that get set:

The inner tag is the tag which is closest to the payload portion of the frame; it is officially called C-TAG (Customer tag, with ethertype 0x8100).

The outer tag is the one closer/closest to the Ethernet header; its name is S-TAG (Service tag, ethertype 0x88a8). Ethertype for service tag might be redefined by cli command.

Example:

```
vyos@vyos-rtr:~$ configure
vyos@vyos-rtr#set interfaces ethernet eth0 vif-s 333
vyos@vyos-rtr#set interfaces ethernet eth0 vif-s 333 address
192.0.2.10/32
vyos@vyos-rtr#set interfaces ethernet eth0 vif-s 333 vif-c 777
vyos@vyos-rtr#set interfaces ethernet eth0 vif-s 333 vif-c 777
address 10.10.10.10/24
```

Configuration commands:

```
interfaces
  ethernet <eth[0-999]>
    address <ipv4>
    address <ipv6>
    description <txt>
    disable
    ip
      <usual IP options>
    ipv6
      <usual IPv6 options>
    vif-s <[0-4096]>
```

```
address <ipv4>
address <ipv6>
description <txt>
disable
ip
    <usual IP options>
ipv6
    <usual IPv6 options>
vif-c <[0-4096]>
    address <ipv4>
    address <ipv6>
    description <txt>
    disable
    ip
        <usual IP options>
    ipv6
        <usual IPv6 options>
```