



VLAN sub-interfaces (802.1Q)

Dmitriy Eshenko - 2021-09-21 - 0 Comments - in Ethernet

802.1Q VLAN interfaces are represented as virtual sub-interfaces in VyOS. The term used for this is **vif**. Configuration of a tagged sub-interface is accomplished using the configuration command **set interfaces ethernet <name> vif <vlan-id>**.

```
vyos@vyos-rtr# set interfaces ethernet eth1 vif 100 description 'VLAN 100'
```

```
vyos@vyos-rtr# set interfaces ethernet eth1 vif 100 address '192.168.100.1/24'
```

Resulting:

```
ethernet eth1 {
    address 192.168.0.1/24
    description INSIDE
    duplex auto
    hw-id 00:0c:29:44:3b:19
    smp_affinity auto
    speed auto
    vif 100 {
        address 192.168.100.1/24
        description "VLAN 100"
    }
}
```

VLAN interfaces are shown as <name>.<vlan-id>, e.g. eth1.100:

```
vyos@vyos-rtr:~$ show interfaces
```

Codes: S - State, L - Link, u - Up, D - Down, A - Admin Down

Interface	IP Address	S/L
Description		
-----	-----	---

eth0	172.16.51.129/24	u/u
OUTSIDE		

```
eth1          192.168.0.1/24          u/u
INSIDE
eth1.100      192.168.100.1/24       u/u    VLAN
100
lo            127.0.0.1/8           u/u
              ::1/128
vyos@vyos-rtr:~$
```