



Linux Ubuntu 22.4.5 Manual Pages on command 'vconfig.8'

\$ man vconfig.8

VCONFIG(8) System Manager's Manual VCONFIG(8)

NAME

vconfig - VLAN (802.1q) configuration program.

SYNOPSIS

vconfig [lots of long options]

DESCRIPTION

The vconfig program allows you to create and remove vlan-devices on a vlan enabled kernel. Vlan-devices are virtual ethernet devices which represents the virtual lans on the physical lan.

OPTIONS

add [interface-name] [vlan-id]

Creates a vlan-device on [interface-name]. The resulting vlan-device will be called according to the nameing convention set.

rem [vlan-device]

Removes the named vlan-device.

set_flag [vlan-device] 0 | 1

When 1 (the default since 2.6.18), ethernet header reorders are turned on.

Dumping the device will appear as a common ethernet device without vlans.

When 0 however, ethernet headers are not reordered, which results in vlan tagged packets when dumping the device. Usually the default gives no prob?

lems, but some packet filtering programs might have problems with it.

set_egress_map [vlan-device] [skb-priority] [vlan-qos]

This flags that outbound packets with a particular `skb-priority` should be tagged with the particular `vlan priority vlan-qos`. The default `vlan priority` is 0.

```
set_ingress_map [vlan-device] [skb-priority] [vlan-qos]
```

This flags that inbound packets with the particular `vlan priority vlan-qos` should be queued with a particular `skb-priority`. The default `skb-priority` is 0.

```
set_name_type VLAN_PLUS_VID | VLAN_PLUS_VID_NO_PAD | DEV_PLUS_VID |  
DEV_PLUS_VID_NO_PAD
```

Sets the way `vlan-device` names are created. Use `vconfig` without arguments to see the different formats.

NOTES `VLAN` will use Broadcom's NICE interface when the network device supports it.

This is necessary, since usually the hardware of these devices already re-moves the `vlan tag` from the ethernet packet. The `set_flag` option on `vlan-devices` created on such a physical network device will be ignored. Dumping the `network-device` will show only untagged(non-vlan) traffic, and dumping the `vlan-devices` will only show traffic intended for that `vlan`, without the tags.

FILES

```
/proc/net/vlan/config
```

```
/proc/net/vlan/[vlan-device]
```

SEE ALSO

```
ip(8), ifconfig(8)
```

AUTHORS

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