

## Re: vlan

**Source:** <http://www.derkeiler.com/Mailing-Lists/FreeBSD-Security/2001-02/1278.html>

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**From:** Rocco Lucia ([rlucia@iscanet.com](mailto:rlucia@iscanet.com))

**Date:** 02/28/01

Date: Wed, 28 Feb 2001 03:04:41 +0100  
To: jeff <[shupilov@technobank.com.by](mailto:shupilov@technobank.com.by)>, [security@FreeBSD.ORG](mailto:security@FreeBSD.ORG)  
From: Rocco Lucia <[rlucia@iscanet.com](mailto:rlucia@iscanet.com)>

At 10:54 +0200 27-02-2001, jeff wrote:

>hi!

>

>*i'm strongly needet to set up vlan on my freebsd-box*

>*but unfortunately i can't find any clear instruction how to do it*

>*there are a lot of hearing that it is already impossible*

>

>*so, can anybody help me?*

>

>*thanks,*

>

>*Dmitry*

>

first you should add:

pseudo-device vlan ... see LINT

to your kernel configuration.

Then you can use ifconfig to set your virtual vlan interfaces bound to the physical one/s.

Assume you have x10 physical interface and you want to setup 2 vlans on it (VLAN ID 1, VLAN ID 2), you configure interfaces with:

```
ifconfig vlan0 inet 10.0.0.1 netmask 0xfffff00 vlan 2 vlandev x10
```

and

```
ifconfig vlan1 inet 10.0.1.1 netmask 0xfffff00 vlan 3 vlandev x10
```

And you'll be set. Just remember to set up your network switch accordingly (e.g. allowing those vlan tags on the port).

As for the link0 flag the ifconfig(8) manpage talks about, you

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should set it if your card supports vlan tags on its own, so the physical interface driver will do the thing. I think just Alteon ti(4) driver supports it.

Have a nice 801.1Q'ing :-)

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Rocco Lucia - [rlucia@iscanet.com](mailto:rlucia@iscanet.com)      Iscanet Internet Services  
<http://elisa.utopianet.net/~rlucia>      System and Network Admin  
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