

Re: vlans and cloning

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- *From:* Sam Leffler <sam@xxxxxxxxx>
 - *Date:* Mon, 10 Jul 2006 11:53:20 -0700
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Dmitry Pryanishnikov wrote:

Hello!

On Mon, 10 Jul 2006, Sam Leffler wrote:

```
ifconfig vlan0 create
ifconfig vlan0 vlan 1 vlandev em0
```

sequence is required for now. Also, I think it's perfectly correct to have

```
cloned_interfaces="vlan30"
```

while NOT having 'ifconfig_vlan30' assignment – system administrator could just reserve a spare interface w/o assigning its parameters. So I think that possibility of the specific device cloning w/o arguments, e.g.,

```
ifconfig vlan30 create
```

should be preserved.

Clearly one would need to fix rc scripts. The question is should the old behaviour be preserved; it provides no functionality—i.e. a cloned device is unusable until you set the tag+parent and you cannot set the tag or parent on an existing cloned device (once setup). So the only

I don't agree:

- 1) Cloned but unset device is perfectly legal for, e.g., mentioning in ipfw rules (or any other context which requires interface name);

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2) Sure, you can change tag+parent afterwards:

```
root@homelynx# ifconfig vlan32 create
root@homelynx# ifconfig vlan32 vlan 32 vlandev rl0
root@homelynx# ifconfig vlan32 -vlandev
root@homelynx# ifconfig vlan32 vlan 33 vlandev rl0
root@homelynx#
```

Hmm, that did not work yesterday in my testing. That's the answer I've been looking for. Thank you. OTOH I can easily see that plumbing a vlan into firewall rules and then changing it's configuration might generate very hard to find bugs; but whatever.

preserve existing practice. Removing the 2 step procedure would allow code to be removed and (IMO) clarify how a vlan is crafted. In the future there will be cloned devices that cannot/will-not be specified with a 2-step procedure so having vlans work this way will violate POLA.

Please don't break well-known and useful behaviour! Remember that it allows to switch easily physical vlanXXX device assignment (e.g., migration to the another trunk) w/o reloading firewall rules.

I've got no plans. You'll note I committed the new stuff as completely separate. I only asked now because I saw an opportunity to remove cruft. But given that it's used that cruft can just stay around.

Sam

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