

Re: FreeBSD 4.9 / VRRP / vlan

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2003-11/0259.html>

From: Pawel Malachowski (pawmal-posting_at_freebsd.lublin.pl)

Date: 11/27/03

Date: Thu, 27 Nov 2003 23:23:39 +0100

To: Spyou <root@spyou.org>

On Thu, Nov 27, 2003 at 10:56:58PM +0100, Spyou wrote:

> *This solution (w/o vlans) works .. the downtime is something like 3/4*
> *seconds .. wich is acceptable for my applications :)*
>
> *but i can't work w/o vlans :(*

R1:

```
% ifconfig vlan0 create vlan 1 vlandev de0
% ifconfig vlan0 inet add 10.255.255.1/24
% ifconfig vlan0 mtu 1500
% ifconfig vlan0
vlan0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    inet 10.255.255.1 netmask 0xfffff00 broadcast 10.255.255.255
    inet6 fe80::250:fcff:fe5e:5b40%vlan0 prefixlen 64 scopeid 0xa
    ether 00:00:e8:41:cd:10
    media: Ethernet autoselect (100baseTX <full-duplex>)
    status: active
    vlan: 1 parent interface: de0
```

[VRID]

```
serverid = 1
interface = vlan0
priority = 255
addr = 192.168.1.1/24
```

R2:

```
% ifconfig vlan0 create vlan 1 vlandev xl0
% ifconfig vlan0 inet add 10.255.255.2/24
% ifconfig vlan0
vlan0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    inet 10.255.255.2 netmask 0xfffff00 broadcast 10.255.255.255
    inet6 fe80::202:44ff:fe23:82c4%vlan0 prefixlen 64 scopeid 0x13
    ether 00:50:04:ed:d4:be
    media: Ethernet autoselect (100baseTX <full-duplex>)
    status: active
    vlan: 1 parent interface: xl0
```

```
[VRID]
serverid = 1
interface = vlan0
priority = 2
addr = 192.168.1.1/24
```

```
R1:
starting freevrrpd
```

```
freevrrpd[86670]: send ip = 10.255.255.1, eth = 0:0:5e:0:1:1
freevrrpd[86670]: send ip = 192.168.1.1, eth = 0:0:5e:0:1:1
freevrrpd[86670]: server state vrid 1: master
```

```
% ifconfig vlan0
vlan0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    inet 10.255.255.1 netmask 0xfffff00 broadcast 10.255.255.255
    inet6 fe80::250:fcff:fe5e:5b40%vlan0 prefixlen 64 scopeid 0xa
    inet 192.168.1.1 netmask 0xfffff00 broadcast 192.168.1.255
    ether 00:00:5e:00:01:01
    media: Ethernet autoselect (100baseTX <full-duplex>)
    status: active
    vlan: 1 parent interface: de0
```

```
R2:
starting freevrrpd
send ip = 10.255.255.2, eth = 0:50:4:ed:d4:be
freevrrpd[21984]: server state vrid 1: backup
```

Now R1 fails:

```
% killall freevrrpd
freevrrpd[86670]: restoring real MAC address: 00:00:E8:41:CD:10 for interface vlan0
```

R2 works as a master now:

```
freevrrpd[21984]: server state vrid 1: master
```

```
% ifconfig vlan0
vlan0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    inet 10.255.255.2 netmask 0xfffff00 broadcast 10.255.255.255
    inet6 fe80::202:44ff:fe23:82c4%vlan0 prefixlen 64 scopeid 0x13
    inet 192.168.1.1 netmask 0xfffff00 broadcast 192.168.1.255
    ether 00:00:5e:00:01:01
    media: Ethernet autoselect (100baseTX <full-duplex>)
    status: active
    vlan: 1 parent interface: xl0
```

R1 can probe R2 (using other interface and address):

```
% ping 192.168.1.1
PING 192.168.1.1 (192.168.1.1): 56 data bytes
64 bytes from 192.168.1.1: icmp_seq=0 ttl=64 time=0.356 ms
64 bytes from 192.168.1.1: icmp_seq=1 ttl=64 time=0.306 ms
64 bytes from 192.168.1.1: icmp_seq=2 ttl=64 time=0.265 ms
```

freebsd-net: Re: FreeBSD 4.9 / VRRP / vlan

^C

---- 192.168.1.1 ping statistics ----

3 packets transmitted, 3 packets received, 0% packet loss

round-trip min/avg/max/stddev = 0.265/0.309/0.356/0.037 ms

However, I have no more computers on this vlan and I can't touch other vlans right now.

cheers,

--

Paweł Machowski

freebsd-net@freebsd.org mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-net>

To unsubscribe, send any mail to "freebsd-net-unsubscribe@freebsd.org"