

pfSense - Bug #9466

DHCP (IPv4) relay mistakenly listening on upstream interface

04/10/2019 09:14 AM - Foster Snowhill

Status:	Feedback	Start date:	04/10/2019
Priority:	Normal	Due date:	
Assignee:	Jim Pingle	% Done:	100%
Category:	DHCP Relay	Estimated time:	0.00 hour
Target version:	2.5.0	Affected Architecture:	
Affected Version:	All		

Description

Hello!

Not sure if this is dhcrelay's intended behaviour, but it is listening on the upstream interface when it's not asked to, and thus duplicates packets coming from inside the upstream network.

My interfaces:

- LAN_TN = lan = vmx0 (192.168.2.1/24)
- LAN_UN = opt3 = vmx0.10 (192.168.3.1/24)
- LAN_Docker = opt7 = vmx0.20 (192.168.6.1/24)

DHCP relay is configured as shown in the attached *relay_config.png*. Config.xml looks like this:

```
<dhcrelay>
  <interface>opt7,opt3</interface>
  <server>192.168.2.8</server>
  <agentoption></agentoption>
  <enable></enable>
</dhcrelay>
```

However it starts up listening on the upstream as well:

```
/usr/local/sbin/dhcrelay -i vmx0.20 -i vmx0.10 -i vmx0 -a -m replace 192.168.2.8
```

which causes it to catch the broadcast packets on the upstream network and duplicate those requests, as seen on *packets.png*. pfSense 2.4.4-p2 running on amd64, ESXi VM.

Not critical in my setup, but might be problematic for those whose upstream DHCP server is located on the WAN, for example.

Associated revisions

Revision f427d68d - 06/03/2019 11:48 AM - Jim Pingle

Teach dhcrelay about upstream and downstream interfaces. Fixes #9466

No config changes or UI changes, it is handled automatically.

Revision ef0045d8 - 06/03/2019 11:48 AM - Jim Pingle

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No config changes or UI changes, it is handled automatically.

(cherry picked from commit [f427d68dbca5ed9941b3bc01be1c4d81417c134f](#))

History

#1 - 04/10/2019 09:22 AM - Jim Pingle

- Assignee set to *Jim Pingle*
- Target version set to *2.5.0*
- Affected Version changed from *2.4.4_2* to *All*

Once upon a time that was necessary to see the return traffic. The most recent version of dhcrelay now supports a concept of separate upstream (-iu) and downstream (-id) interfaces so the syntax should be updated to follow that convention. Hopefully that will take care of this.

#2 - 06/03/2019 11:55 AM - Jim Pingle

- Status changed from *New* to *Feedback*
- % Done changed from *0* to *100*

Applied in changeset [f427d68dbca5ed9941b3bc01be1c4d81417c134f](#).

Files

packets.png	15.7 KB	04/10/2019	Foster Snowhill
relay_config.png	30.4 KB	04/10/2019	Foster Snowhill