

pfSense - Bug #7412

rtsold will not run on VLAN interfaces

03/20/2017 12:25 PM - Jim Pingle

Status:	Resolved	Start date:	03/20/2017
Priority:	Normal	Due date:	
Assignee:	Luiz Souza	% Done:	100%
Category:	DHCP (IPv6)	Estimated time:	0.00 hour
Target version:	2.4.3	Affected Version:	2.4
Plus Target Version:		Affected	SG-1000
Release Notes:	Default	Architecture:	

Description

A VLAN interface for a WAN will not pull an IPv6 address via DHCPv6 with a default configuration.

In a default configuration, dhcp6c is launched via rtsold. When a VLAN-based interface is assigned, rtsold fails to run which means dhcp6c is never launched.

Running rtsold in debug mode produces the following log message:

```
Mar 20 12:41:41 pfsense rtsold[38666]: <make_packet> link-layer address option has null length on cpsw0_vlan10. Treat as not included.
```

The same message is not logged when the parent interface is used directly.

If I check "Do not wait for a RA" on the WAN settings which bypasses the need for rtsold, dhcp6c is launched directly and pulls an address.

History

#1 - 03/28/2017 08:10 PM - mike cross

Jim Pingle wrote:

A VLAN interface for a WAN will not pull an IPv6 address via DHCPv6 with a default configuration.

In a default configuration, dhcp6c is launched via rtsold. When a VLAN-based interface is assigned, rtsold fails to run which means dhcp6c is never launched.

Running rtsold in debug mode produces the following log message:

[...]

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If I check "Do not wait for a RA" on the WAN settings which bypasses the need for rtsold, dhcp6c is launched directly and pulls an address.

You marked [#7436](#) as a duplicate of this - when you check Do not wait for an RA, does your configuration yield an operational default route? I just want to understand how my issue is a duplicate of this one. Thanks.

#2 - 03/28/2017 08:11 PM - Jim Pingle

No, there is no default gateway because rtsold won't run. DHCPv6 on its own does not handle gateways. It's the same root problem.

#3 - 03/28/2017 08:13 PM - mike cross

Ok, understood. Thanks for the explanation, I appreciate it. I'll lay low for a season and see how it goes.

#4 - 08/07/2017 07:32 PM - mike cross

Has progress been made on this bug? Thanks.

#5 - 08/11/2017 01:33 AM - Luiz Souza

- Assignee set to Luiz Souza

#6 - 09/11/2017 03:57 PM - Renato Botelho

- Target version changed from 2.4.0 to 2.4.1

#7 - 10/12/2017 09:51 AM - Jim Pingle

- Target version changed from 2.4.1 to 2.4.2

Moving target to 2.4.2 as we need 2.4.1 sooner than anticipated.

#8 - 10/23/2017 12:20 PM - Jim Pingle

- Target version changed from 2.4.2 to 2.4.3

#9 - 01/25/2018 07:03 AM - Luiz Souza

- Status changed from Confirmed to Feedback

- % Done changed from 0 to 100

Should be fixed in the next snapshot.

#10 - 01/26/2018 03:28 PM - Jim Pingle

- Status changed from Feedback to Resolved

Looks good now. SG-1000 with a VLAN WAN pulls an IPv6 address and default gateway now, without the "Do not wait for RA" box checked.