

pfSense - Feature #1826

PPPoE server IPv6 support

09/01/2011 10:15 AM - Chris Buechler

Status:	New	Start date:	09/01/2011
Priority:	Normal	Due date:	
Assignee:		% Done:	20%
Category:	PPPoE Server	Estimated time:	5.00 hours
Target version:			
Description			
PPPoE server needs IPv6 support. Sends IPv6-CP packets, not confirmed if DHCPv6 server works.			

History

#1 - 01/15/2012 12:01 PM - Seth Mos

- Assignee set to Seth Mos
- % Done changed from 0 to 20
- Estimated time set to 5.00 h
- Affected Architecture All added
- Affected Architecture deleted ()

Added PPPoE edit screen support, added pppoe server interface selection on the DHCPv6 server page.
Added the set bundle ipv6cp keyword on the server config.

todo: add rtadvd and dhcp6 backend on pppoes interfaces

#2 - 04/08/2012 02:33 AM - Seth Mos

- Target version changed from 2.1 to 2.2

After talking with Jim about it we both agree that this is a huge undertaking.

You would need either static addressing and RA advertisements on all PPPoE/PPtP server interfaces.
Added to this you would also need to start a DHCPv6 server on PPPoE server interfaces.

It's configured just like the rest. But not undoable.

Basically, if we can make the PPPoE server tabs show up on the DHCPv6 Server page (or a subrow of tabs) then it would be easier. not Easy, easier.
As that would allow us to do both.

For PPPoE you would need to support prefix delegation ofcourse, because it could be a router or a host, we don't know. Still don't know if we can use the same prefix on each real pppoes server interface or that ISC dhcpd will balk at that.

There is also the issue that the current ISC dhcpd does not yet reclaim prefixes. So if they are all used, it will encounter and stay in a out of resources condition.

A note on the prefix delegation range on the dhcpv6 server page. The range must be started and ended on the boundaries of the size you are trying to delegate.

#3 - 10/28/2014 03:22 PM - Chris Buechler

- Assignee deleted (*Seth Mos*)
- Target version deleted (*2.2*)
- Affected Documentation 0 added

#4 - 02/09/2018 07:42 AM - Thomas Leveringhaus

Delegation of a full prefixes or parts of the prefixes received on WAN to pppoe-Clients is needed.
Will there be any solution in the foreseeable future?