

pfSense - Feature #2774

Extend DHCP Pools code to allow using different subnets

01/23/2013 07:26 AM - Jim Pingle

Status:	New	Start date:	01/23/2013
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	DHCP (IPv4)	Estimated time:	0.00 hour
Target version:			
Description			
The current DHCP pools code allows creating multiple ranges within the same large subnet. The ISC DHCP Daemon also supports using multiple subnets by declaring them as a "shared-network".			
It should be possible to adapt the pools code to use that declaration when a pool is outside of the typical "LAN" range.			

History

#1 - 06/04/2014 10:31 AM - Jim Pingle

- Target version changed from 2.2 to 2.3

#2 - 04/25/2015 03:58 PM - Chris Buechler

- Tracker changed from Bug to Feature

- Priority changed from Very Low to Normal

#3 - 09/16/2015 05:36 PM - Chris Buechler

- Target version deleted (2.3)

#4 - 10/06/2015 01:40 PM - Steve Thomas

Is support for this no longer planned??

#5 - 10/07/2015 07:25 PM - Chris Buechler

Steve Thomas wrote:

Is support for this no longer planned??

Not likely for 2.3, maybe at some point. Not a very commonly needed feature, networks that need that usually have a separate DHCP server and the firewall's a DHCP relay.

#6 - 09/27/2016 02:20 AM - david stievenard

The first time I used pfsense I was surprised to see that it can do dhcp relay but not the other side of the coin that is dhcp server recieving dhcp request from 3rd party dhcp relays.

Let me try to defend this feature :)

I build remotely small infrastructure with 10-50 users and it's composed with 5 elements firewall, I3 switch, access point, storage server micro server, virtualization micro server. It's a balance between squeezing as much computing power from the hardware (to keep it as cheap as possible) and separate roles onto different machines/VMs (so it's reliable/maintainable)

One practice I have is to keep 'unfiltered vlans' traffic routed directly on the l3-switch to avoid pulling up traffic to the firewall. For now I do dhcp services with a pfsense VM or with the l3-switch but this feature could allow me to centralize all dhcp services in one place with a nice GUI.

It's the same method I apply when I try avoid doing network filtering on the l3-switches or the servers...it's centralized on the firewall.

#7 - 09/28/2016 04:59 AM - Kill Bill

@david: This functionality has been done at least 3 times by pfSense user (marcelloc), the code never got merged, so all that work went down the drain repeatedly. To conclude: this feature won't ever happen, there certainly must be some phobia wrt using pfSense as a DHCP server. All the details here: <https://forum.pfsense.org/index.php?topic=65736.90>

#8 - 08/19/2019 10:27 AM - Jim Pingle

See also: [#2323](#)