

## pfSense - Bug #5872

Creating a network alias with both IPv6 subnets and FQDNs results in a table with only the FQDN entries.

02/10/2016 07:25 AM - Steve Wheeler

<b>Status:</b>	Resolved	<b>Start date:</b>	02/10/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Luiz Souza	<b>% Done:</b>	100%
<b>Category:</b>	Rules / NAT	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.3	<b>Affected Version:</b>	All
<b>Plus Target Version:</b>		<b>Affected</b>	All
<b>Release Notes:</b>	Default	<b>Architecture:</b>	

### Description

It looks like filter DNS is choking on the IPv6 entries.

To test I created a network alias containing:

2607:f8b0:4000::/36

2a00:1450:4000::/36

chaos.pfmechanics.com

forum.pfsense.org

The /36 subnets are not added to the table.

I tested in 2.2.6 and 2.3. Problem appears identically.

The resolver log shows:

Feb 10 13:10:56 filterdns invalid netmask '/36' for hostname 2607:f8b0:4000::/36

Feb 10 13:10:56 filterdns invalid netmask '/36' for hostname 2a00:1450:4000::/36

Feb 10 13:10:56 filterdns failed to resolve host chaos.pfmechanics.com will retry later again.

Feb 10 13:10:57 filterdns adding entry 208.123.73.18 to table Test\_V6subnet\_with\_hosts on host forum.pfsense.org

Feb 10 13:10:57 filterdns adding entry 2610:160:11:1000::18 to table Test\_V6subnet\_with\_hosts on host forum.pfsense.org

### History

#### #1 - 02/10/2016 07:03 PM - Chris Buechler

- Category set to Rules / NAT

- Status changed from New to Confirmed

confirmed, it adds IPv6 subnets to filterdns.conf rather than directly into the table. IPv4 subnets are handled correctly.

#### #2 - 02/11/2016 12:42 PM - Luiz Souza

- Status changed from Confirmed to Feedback

- % Done changed from 0 to 100

Fixed the filterdns v6 netmask parsing. (filterdns-1.0\_8)

#### #3 - 02/12/2016 06:52 AM - Chris Buechler

- Status changed from Feedback to Confirmed

Still doesn't work. To match the behavior of IPv4, it'd just omit the v6 subnets from filterdns.conf and add them in filter.inc.

#### #4 - 02/13/2016 03:46 PM - Luiz Souza

Chris, it seems to work for me:

```
cat /var/etc/filterdns.cong
```

pf [www.google.com](http://www.google.com) net\_host\_v6  
pf 2001:1291:2001:1::/64 net\_host\_v6  
pf 2001:1291::/32 net\_host\_v6

creates the following table:

```
pfctl -t net_host_v6 -Ts  
74.125.141.99  
74.125.141.103  
74.125.141.104  
74.125.141.105  
74.125.141.106  
74.125.141.147  
2001:1291:2001:1::/64  
2001:1291::/32  
2607:f8f0:400c:c06::67
```

Can you re-check this one, please ?

#### #5 - 02/18/2016 01:09 AM - Chris Buechler

- Status changed from *Confirmed* to *Resolved*

this does work now. The last test I was getting same as in original report, is correct now on a variety of cases that were an issue previously.

#### Files

filterdns.conf	192 Bytes	02/10/2016	Steve Wheeler
rules(12).debug	9.28 KB	02/10/2016	Steve Wheeler