

## strongSwan - Bug #2586

### charon-nm on IPv6-only: DNS resolve failure

12.03.2018 08:58 - Harald Dunkel

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Tobias Brunner	<b>Estimated time:</b>	0.00 hour
<b>Category:</b>	networkmanager (charon-nm)	<b>Resolution:</b>	Fixed
<b>Target version:</b>	5.8.0		
<b>Affected version:</b>	5.6.2		
<b>Description</b>			
Trying to force charon-nm to use IPv6 I get a lookup failure very early:			
<pre>Mar 12 08:27:10 ppcl001 charon-nm: 10[CFG] received initiate for NetworkManager connection mygate IKEv2 Mar 12 08:27:10 ppcl001 charon-nm: 10[CFG] using CA certificate, gateway identity 'mygate6.example.com' Mar 12 08:27:10 ppcl001 charon-nm: 19[LIB] resolving 'mygate6.example.com' failed: Name or service not known Mar 12 08:27:10 ppcl001 charon-nm: 10[IKE] unable to resolve mygate6.example.com, initiate aborted Mar 12 08:27:10 ppcl001 charon-nm: 10[MGR] tried to checkin and delete nonexistent IKE_SA</pre>			
Point is, the peer (mygate6.example.com) doesn't have an A record in DNS, just AAAA. If I set the gateway to "mygate4.example.com" with a regular A record, then there is no such problem.			
<b>Related issues:</b>			
Related to Feature #1143: Network manager plugin has no support for ipv6		<b>Closed</b>	<b>04.10.2015</b>

#### Associated revisions

##### Revision 4f8c00e3 - 14.03.2019 13:46 - Tobias Brunner

Merge branch 'nm-ipv6'

Adds support for IPv6 to the NetworkManager backend and plugin.

Fixes #1143, #2586.

#### History

##### #1 - 12.03.2018 09:27 - Harald Dunkel

Looking through my old logfiles it seems that charon-nm **never** used IPv6, even though the peers "usual" DNS entry has both A and AAAA DNS records. The macos and ios devices connect fine via IPv6 (to the same peer).

Unfortunately I could try only 5.6.1 and 5.6.2.

##### #2 - 12.03.2018 09:55 - Tobias Brunner

- Category set to networkmanager (charon-nm)

- Status changed from New to Feedback

It's probably due to the 0.0.0.0 here: [source:src/charon-nm/nm/nm\\_service.c#L529](https://source.strongswan.org/src/charon-nm/nm/nm_service.c#L529) But note that charon-nm does not really support IPv6 (i.e. it does not pass virtual IPv6 addresses or DNS servers to NM, however, if that's not necessary in your setup it might work).

Also, if the resolved host is dual-stack you could configure charon-nm to only use IPv4 by disabling `charon-nm.plugin.socket-default.use_ipv6`.

##### #3 - 12.03.2018 09:56 - Tobias Brunner

- Related to Feature #1143: Network manager plugin has no support for ipv6 added

##### #4 - 20.02.2019 16:05 - Tobias Brunner

- Status changed from Feedback to Closed

- Assignee set to Tobias Brunner
- Resolution set to Duplicate

The patches for [#1143](#) also include a change for the above.

**#5 - 14.03.2019 13:47 - Tobias Brunner**

- Tracker changed from Issue to Bug
- Target version set to 5.8.0
- Resolution changed from Duplicate to Fixed