

strongSwan - Bug #2313

5.5.2 client fails to connect after 256 connections using freebsd 11

02.05.2017 14:04 - Mike E

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Tobias Brunner	Estimated time:	0.00 hour
Category:	freebsd	Resolution:	Fixed
Target version:	5.5.3		
Affected version:	5.5.2		

Description

FreeBSD Strongswan client fails to connect after 256 ipsec up/ipsec down commands.

Using latest version from ports (5.5.2) on

```
# uname -a
FreeBSD strongswan2 11.0-RELEASE-p9 FreeBSD 11.0-RELEASE-p9 #0: Tue Apr 11 08:48:40 UTC 2017  r
oot@amd64-builder.daemonology.net:/usr/obj/usr/src/sys/GENERIC amd64
```

Associated revisions

Revision 59e6e933 - 19.05.2017 15:28 - Tobias Brunner

tun-device: Use next free TUN device on FreeBSD

While this API is documented as legacy (and there is a sysctl option to disable it) the documentation also mentions that it will probably stay enabled by default due to compatibility issues with existing applications.

With the previous approach only 255 devices could be opened then the daemon had to be restarted.

Fixes #2313.

History

#1 - 02.05.2017 16:20 - Tobias Brunner

- Status changed from New to Feedback

Yep: source.sr.ht/~tbrunner/libstrongswan/networking/tun_device.c#L486.

#2 - 02.05.2017 17:05 - Mike E

Hi Tobias,

The freebsd tun driver has the ability to return the lowest unused tun device by opening "/dev/tun" (since 5.0-RELEASE). Wouldn't this be the preferred method for creating a tun device?

<https://www.freebsd.org/cgi/man.cgi?query=tun&apropos=0&sektion=4&manpath=FreeBSD+11.0-RELEASE+and+Ports&arch=default&format=html>

#3 - 03.05.2017 10:38 - Tobias Brunner

- Tracker changed from Issue to Bug

I think I didn't use that because it's documented as legacy feature. But I guess the following means it's unlikely it will disappear:

Disabling the legacy devfs cloning functionality may break existing applications which use tun, such as ppp(8) and ssh(1). It therefore defaults to being enabled until further notice.

If you like you can try the patch in the *2313-freebsd-tun* branch.

#4 - 03.05.2017 23:29 - Mike E

Works great, thanks!

#5 - 04.05.2017 09:27 - Tobias Brunner

- *Target version set to 5.5.3*

#6 - 19.05.2017 15:26 - Tobias Brunner

- *Status changed from Feedback to Closed*

- *Assignee set to Tobias Brunner*

- *Resolution set to Fixed*

Files

ifconfig.txt	633 Bytes	02.05.2017	Mike E
ipsec_server.conf	402 Bytes	02.05.2017	Mike E
netstat.txt	962 Bytes	02.05.2017	Mike E
ipsec_statusall.txt	938 Bytes	02.05.2017	Mike E
ipsec.conf	852 Bytes	02.05.2017	Mike E
uname.txt	168 Bytes	02.05.2017	Mike E
debug.log	26.2 KB	02.05.2017	Mike E
messages	96.6 KB	02.05.2017	Mike E
charon_debug.log	3.39 MB	02.05.2017	Mike E