

strongSwan - Bug #217

PFKEY resource problem using 5.0.0

14.08.2012 00:04 - Bill Wilson

Status:	Closed	Start date:	13.08.2012
Priority:	Normal	Due date:	
Assignee:	Tobias Brunner	Estimated time:	0.00 hour
Category:	libhydra	Resolution:	Fixed
Target version:	5.0.1		
Affected version:	5.0.0		

Description

There appears to be a problem using FreeBSD (9.0) with strongswan-5.0.0 due to starter now allocating a PFKEY socket. Tentative analysis is that PFkey responses are "broadcast" to all PFkey sockets as per PFKEY specs but starter's socket buffers are not being received leading to resource problems. No problems with strongswan 4.5.3

Associated revisions

Revision 71b89d67 - 16.08.2012 16:14 - Tobias Brunner

Only load kernel plugins in starter when flushing SAD/SPD entries

This avoids keeping the kernel sockets open when they are not actually needed, which could lead to resource problems (in particular with PF_KEY where all open sockets receive all messages).

Fixes #217.

History

#1 - 14.08.2012 18:02 - Tobias Brunner

- File *0001-Only-load-kernel-plugins-in-starter-when-flushing-SA.patch* added
- Status changed from *New* to *Assigned*
- Assignee set to *Tobias Brunner*
- Target version set to *5.0.1*

You are right, my attempt to solve this problem ([05ca56558](#)) was insufficient. As you correctly state all open PF_KEY sockets receive messages sent by the kernel. An earlier approach was to make starter multi-threaded, thus, enabling it to read from these sockets. Unfortunately, this lead to strange effects on certain systems. Since starter uses the kernel plugins only to flush the kernel's SAD and SPD entries when it shuts down they don't actually need to be loaded during its whole runtime. The attached patch changes starter to do so, i.e. load the plugins only when needed and unload them directly afterwards.

#2 - 06.09.2012 15:38 - Tobias Brunner

- Status changed from *Assigned* to *Resolved*
- Resolution set to *Fixed*

#3 - 06.09.2012 15:39 - Tobias Brunner

- Status changed from *Resolved* to *Closed*

Files

0001-Only-load-kernel-plugins-in-starter-when-flushing-SA.patch	2.06 KB	14.08.2012	Tobias Brunner
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