strongSwan - Issue #3404

lookip in --listen-{up,down} mode not streaming to pipe

08.04.2020 13:49 - Tim Stamp

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Status: Feedback
Priority: Normal
Assignee: charon
Category: charon
Affected version: 5.8.4
Resolution: 

Description

Firstly, thanks for the fantastic project. Love it.

I've encountered an interesting issue while trying to read output from lookip out to a pipe or file, whereby the output of the command when in "--listen-up" or "--listen-down" mode is not visible anywhere.
Even more strangely, the --dump output is also missing from all outputs when piping the result when used with the --listen-* options.

This works

$ ipsec lookip --dump
lookup: 10.0.0.1 12.34.56.78 default-conn[23] myusername

This works

$ ipsec lookip --dump > foo && cat foo
lookup: 10.0.0.1 12.34.56.78 default-conn[23] myusername

This works

$ ipsec lookip --listen-up --listen-down --dump
lookup: 10.0.0.1 12.34.56.78 default-conn[23] myusername

This does not work as expected.

$ ipsec lookip --listen-up --listen-down --dump > foo
(foo is always empty, STDOUT is always empty)

Using 5.8.4, compiled from source on Ubuntu

./configure --prefix=/usr --sysconfdir=/etc \
  --enable-farp --enable-openssl --enable-eap-mschapv2 --enable-eap-identity --enable-eap-tls \
  --enable-ext-auth --enable-lookip --with-routing-table

Any suggestions on workarounds or fixes much appreciated!

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History

#1 - 08.04.2020 14:40 - Tim Stamp
I've engineered a fix, seems to work.

diff lookip.c lookip_orig.c
187d186 < fflush(stdout);

#2 - 08.04.2020 16:41 - Tobias Brunner
- Description updated

05.05.2020
First, the lookip utility is just an example on how the socket created by the lookip plugin can be used. Depending on what you want to do, writing your own client application might work better.

I've engineered a fix, seems to work.

Yeah, but I think it's easier to just switch stdout to line buffering. I pushed a commit that does so to the 3404-lookip-linebuf branch.