

## strongSwan - Bug #3404

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

08.04.2020 13:49 - Tim Stamp

<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>	libcharon	<b>Resolution:</b>	Fixed
<b>Target version:</b>	5.9.0		
<b>Affected version:</b>	5.8.4		

**Description**

Firstly, thanks for the fantastic project. Love it.

I've encountered an interesting issue while trying to read output from lookup 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 lookup --dump
lookup: 10.0.0.1 12.34.56.78 default-conn[23] myusername
```

This works

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

This works

```
$ ipsec lookup --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 lookup --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-mschap2 --enable-eap-identity --enable-eap-tl
s
--enable-ext-auth --enable-lookup --with-routing-table
```

Any suggestions on workarounds or fixes much appreciated!

#### Associated revisions

##### Revision 3d92cff7 - 07.05.2020 15:05 - Tobias Brunner

lookup: Use line buffering for stdout

Otherwise, the output is buffered when e.g. piping the output to another command (or file). And it avoids having to call fflush() in the interactive mode.

Fixes #3404.

## History

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### #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*
- *Status changed from New to Feedback*

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.

### #3 - 07.05.2020 14:55 - Tobias Brunner

- *Tracker changed from Issue to Bug*
- *Category changed from charon to libcharon*
- *Status changed from Feedback to Closed*
- *Assignee set to Tobias Brunner*
- *Target version set to 5.9.0*
- *Resolution set to Fixed*