

## strongSwan - Bug #394

### Conformance test, hooks problem

30.08.2013 17:01 - Jane Shaw

<b>Status:</b>	Closed	<b>Start date:</b>	30.08.2013
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Tobias Brunner	<b>Estimated time:</b>	0.00 hour
<b>Category:</b>		<b>Resolution:</b>	Fixed
<b>Target version:</b>	5.1.1		
<b>Affected version:</b>	5.1.0		

**Description**

Hello!

I am trying to run conformance tests on StrongSwan 5.1.0(on FreeBSD 9.0). When I define hooks section, I always get similar error. For example, when I define:

```
hooks {
    ignore_message{
        inbound=yes
        request=yes
        id=0
    }
}
```

I get error: dlsym() for hook 'ignore\_message' failed: Undefined symbol "ignore\_message\_hook\_create".

Also, with hook unsort\_message I get error: dlsym() for hook 'unsort\_message' failed: Undefined symbol "unsort\_message\_hook\_create" and so on...

Without hooks sections, everything works as expected.

Do you know where the problem is?

Regards,  
Jane Shaw

#### Associated revisions

##### Revision 10a69c32 - 30.08.2013 19:45 - Tobias Brunner

confest: Fix hook constructor resolution via dlsym()

AM\_CPPFLAGS only takes preprocessor flags like -I or -D, so it did not forward -rdynamic to the linker (--export-dynamic), which meant that the symbols defined in the executable itself were not resolvable via dlsym().

Fixes #394.

#### History

##### #1 - 30.08.2013 20:51 - Tobias Brunner

- Tracker changed from Issue to Bug
- Description updated
- Status changed from New to Resolved
- Assignee set to Tobias Brunner
- Target version set to 5.1.1
- Resolution set to Fixed

I first thought this is some FreeBSD specific linker issue, but I was actually able to reproduce this issue on Linux.

It was caused because the -rdynamic flag was configured incorrectly since [19cb07b8](#). It's fixed with the associated commit.

**#2 - 02.09.2013 09:52 - Jane Shaw**

Hello,

I fixed it in the source code, but I get the same message again...

**#3 - 02.09.2013 10:22 - Tobias Brunner**

When changing any Makefile.am files the actual Makefiles have to be rebuilt by running autogen.sh and ./configure again (if you built from the Git repository this should happen automatically). Try running those scripts then run make and make install again.

**#4 - 03.09.2013 12:42 - Jane Shaw**

I changed Makefile.am as you suggested. I have no autogen.sh in strongswan src, so I can't run the script.

I downloaded it from git repository, but when I run it, I get errors that I miss a lot of tools (like perl, automake,...). I installed them, but it didn't work. Do you have any idea what went wrong?

**#5 - 03.09.2013 13:20 - Tobias Brunner**

I see. If you build from a tarball you should change Makefile.in instead of Makefile.am, then run configure again, this way you don't have to rerun autogen.sh/autoreconf. When building from the Git repository (or when running autogen.sh in the source dir extracted from a tarball) most of the tools listed in [source:HACKING](#) are required.

I installed them, but it didn't work. Do you have any idea what went wrong?

That is not very specific, so, no, I have no idea what went wrong. Do you have an error message? config.log? In general it might be a good idea to start from scratch in these situations (e.g. unpack the tarball again, or run make maintainer-clean and then autogen.sh, or build from the Git repository).

**#6 - 03.09.2013 16:48 - Jane Shaw**

I changed Makefile.in (the whole time I was changing Makefile.am). Now it works! Thank you very much!

**#7 - 18.09.2013 15:25 - Tobias Brunner**

- Status changed from Resolved to Closed