

strongSwan - Issue #3143

failure for "make prefix=/somedir install"

12.08.2019 18:30 - Harald Dunkel

Status:	Closed	Resolution:	No feedback
Priority:	Low		
Assignee:	Tobias Brunner		
Category:	build		
Affected version:	5.8.0		

Description

Not a big issue, but "make prefix=/usr/local/stow/strongswan-5.8.0 install" gave me

```
:
Making install in libsimaka
make[3]: Entering directory '/home/harri/debian/strongswan/tmp/strongswan-5.8.0/src/libsimaka'
make[4]: Entering directory '/home/harri/debian/strongswan/tmp/strongswan-5.8.0/src/libsimaka'
make[4]: Nothing to be done for 'install-exec-am'.
/bin/mkdir -p '/usr/local/stow/strongswan-5.8.0/lib/ipsec'
/bin/sh ../../libtool --mode=install /usr/bin/install -c libsimaka.la '/usr/local/stow/strongswan-5.8.0/lib/ipsec'
libtool: error: error: cannot install 'libsimaka.la' to a directory not ending in /usr/local/lib/ipsec
make[4]: *** [Makefile:504: install-ipsec] Error 1
make[4]: Leaving directory '/home/harri/debian/strongswan/tmp/strongswan-5.8.0/src/libsimaka'
make[3]: *** [Makefile:675: install-am] Error 2
make[3]: Leaving directory '/home/harri/debian/strongswan/tmp/strongswan-5.8.0/src/libsimaka'
make[2]: *** [Makefile:533: install-recursive] Error 1
make[2]: Leaving directory '/home/harri/debian/strongswan/tmp/strongswan-5.8.0/src'
make[1]: *** [Makefile:594: install-recursive] Error 1
make[1]: Leaving directory '/home/harri/debian/strongswan/tmp/strongswan-5.8.0'
make: *** [Makefile:891: install] Error 2
```

Other *.la files did not have this problem:

```
% ls -al /usr/local/stow/strongswan-5.8.0/lib/ipsec/
total 3776
drwxr-sr-x 3 harri staff 4096 Aug 12 18:16 .
drwxr-sr-x 3 harri staff 4096 Aug 12 18:16 ..
-rwxr-xr-x 1 harri staff 981 Aug 12 18:16 libstrongswan.la
lrwxrwxrwx 1 harri staff 22 Aug 12 18:16 libstrongswan.so -> libstrongswan.so.0.0.0
lrwxrwxrwx 1 harri staff 22 Aug 12 18:16 libstrongswan.so.0 -> libstrongswan.so.0.0.0
-rwxr-xr-x 1 harri staff 3849264 Aug 12 18:16 libstrongswan.so.0.0.0
drwxr-sr-x 2 harri staff 4096 Aug 12 18:16 plugins
```

```
% ls -al /usr/local/stow/strongswan-5.8.0/lib/ipsec/plugins/
total 8276
drwxr-sr-x 2 harri staff 4096 Aug 12 18:16 .
drwxr-sr-x 3 harri staff 4096 Aug 12 18:16 ..
-rwxr-xr-x 1 harri staff 989 Aug 12 18:16 libstrongswan-aes.la
-rwxr-xr-x 1 harri staff 128504 Aug 12 18:16 libstrongswan-aes.so
-rwxr-xr-x 1 harri staff 1001 Aug 12 18:16 libstrongswan-agent.la
-rwxr-xr-x 1 harri staff 106768 Aug 12 18:16 libstrongswan-agent.so
-rwxr-xr-x 1 harri staff 989 Aug 12 18:16 libstrongswan-ccm.la
-rwxr-xr-x 1 harri staff 104328 Aug 12 18:16 libstrongswan-ccm.so
-rwxr-xr-x 1 harri staff 1013 Aug 12 18:16 libstrongswan-chapoly.la
-rwxr-xr-x 1 harri staff 402576 Aug 12 18:16 libstrongswan-chapoly.so
-rwxr-xr-x 1 harri staff 995 Aug 12 18:16 libstrongswan-cmac.la
-rwxr-xr-x 1 harri staff 101096 Aug 12 18:16 libstrongswan-cmac.so
-rwxr-xr-x 1 harri staff 1037 Aug 12 18:16 libstrongswan-constraints.la
-rwxr-xr-x 1 harri staff 120744 Aug 12 18:16 libstrongswan-constraints.so
-rwxr-xr-x 1 harri staff 989 Aug 12 18:16 libstrongswan-ctr.la
```

-rwxr-xr-x	1	harri	staff	90208	Aug	12	18:16	libstrongswan-ctr.so
-rwxr-xr-x	1	harri	staff	1041	Aug	12	18:16	libstrongswan-curl.la
-rwxr-xr-x	1	harri	staff	114416	Aug	12	18:16	libstrongswan-curl.so
-rwxr-xr-x	1	harri	staff	1031	Aug	12	18:16	libstrongswan-curve25519.la
-rwxr-xr-x	1	harri	staff	810552	Aug	12	18:16	libstrongswan-curve25519.so
-rwxr-xr-x	1	harri	staff	1007	Aug	12	18:16	libstrongswan-dnskey.la
-rwxr-xr-x	1	harri	staff	97032	Aug	12	18:16	libstrongswan-dnskey.so
-rwxr-xr-x	1	harri	staff	1019	Aug	12	18:16	libstrongswan-fips-prf.la
-rwxr-xr-x	1	harri	staff	93184	Aug	12	18:16	libstrongswan-fips-prf.so
-rwxr-xr-x	1	harri	staff	989	Aug	12	18:16	libstrongswan-gcm.la
-rwxr-xr-x	1	harri	staff	104272	Aug	12	18:16	libstrongswan-gcm.so
-rwxr-xr-x	1	harri	staff	1058	Aug	12	18:16	libstrongswan-gcrypt.la
-rwxr-xr-x	1	harri	staff	301760	Aug	12	18:16	libstrongswan-gcrypt.so
-rwxr-xr-x	1	harri	staff	995	Aug	12	18:16	libstrongswan-gmp.la
-rwxr-xr-x	1	harri	staff	240632	Aug	12	18:16	libstrongswan-gmp.so
-rwxr-xr-x	1	harri	staff	995	Aug	12	18:16	libstrongswan-hmac.la
-rwxr-xr-x	1	harri	staff	91200	Aug	12	18:16	libstrongswan-hmac.so
-rwxr-xr-x	1	harri	staff	1009	Aug	12	18:16	libstrongswan-ldap.la
-rwxr-xr-x	1	harri	staff	92448	Aug	12	18:16	libstrongswan-ldap.so
-rwxr-xr-x	1	harri	staff	989	Aug	12	18:16	libstrongswan-md5.la
-rwxr-xr-x	1	harri	staff	71344	Aug	12	18:16	libstrongswan-md5.so
-rwxr-xr-x	1	harri	staff	995	Aug	12	18:16	libstrongswan-mgf1.la
-rwxr-xr-x	1	harri	staff	93224	Aug	12	18:16	libstrongswan-mgf1.so
-rwxr-xr-x	1	harri	staff	1001	Aug	12	18:16	libstrongswan-nonce.la
-rwxr-xr-x	1	harri	staff	84152	Aug	12	18:16	libstrongswan-nonce.so
-rwxr-xr-x	1	harri	staff	1022	Aug	12	18:16	libstrongswan-openssl.la
-rwxr-xr-x	1	harri	staff	939752	Aug	12	18:16	libstrongswan-openssl.so
-rwxr-xr-x	1	harri	staff	989	Aug	12	18:16	libstrongswan-pem.la
-rwxr-xr-x	1	harri	staff	145376	Aug	12	18:16	libstrongswan-pem.so
-rwxr-xr-x	1	harri	staff	989	Aug	12	18:16	libstrongswan-pgp.la
-rwxr-xr-x	1	harri	staff	192256	Aug	12	18:16	libstrongswan-pgp.so
-rwxr-xr-x	1	harri	staff	1001	Aug	12	18:16	libstrongswan-pkcs1.la
-rwxr-xr-x	1	harri	staff	130120	Aug	12	18:16	libstrongswan-pkcs1.so
-rwxr-xr-x	1	harri	staff	1007	Aug	12	18:16	libstrongswan-pkcs11.la
-rwxr-xr-x	1	harri	staff	521816	Aug	12	18:16	libstrongswan-pkcs11.so
-rwxr-xr-x	1	harri	staff	1007	Aug	12	18:16	libstrongswan-pkcs12.la
-rwxr-xr-x	1	harri	staff	104880	Aug	12	18:16	libstrongswan-pkcs12.so
-rwxr-xr-x	1	harri	staff	1001	Aug	12	18:16	libstrongswan-pkcs7.la
-rwxr-xr-x	1	harri	staff	304824	Aug	12	18:16	libstrongswan-pkcs7.so
-rwxr-xr-x	1	harri	staff	1001	Aug	12	18:16	libstrongswan-pkcs8.la
-rwxr-xr-x	1	harri	staff	92000	Aug	12	18:16	libstrongswan-pkcs8.so
-rwxr-xr-x	1	harri	staff	1007	Aug	12	18:16	libstrongswan-pubkey.la
-rwxr-xr-x	1	harri	staff	94592	Aug	12	18:16	libstrongswan-pubkey.so
-rwxr-xr-x	1	harri	staff	1007	Aug	12	18:16	libstrongswan-random.la
-rwxr-xr-x	1	harri	staff	90072	Aug	12	18:16	libstrongswan-random.so
-rwxr-xr-x	1	harri	staff	989	Aug	12	18:16	libstrongswan-rc2.la
-rwxr-xr-x	1	harri	staff	98344	Aug	12	18:16	libstrongswan-rc2.so
-rwxr-xr-x	1	harri	staff	1031	Aug	12	18:16	libstrongswan-revocation.la
-rwxr-xr-x	1	harri	staff	122288	Aug	12	18:16	libstrongswan-revocation.so
-rwxr-xr-x	1	harri	staff	995	Aug	12	18:16	libstrongswan-sha1.la
-rwxr-xr-x	1	harri	staff	132592	Aug	12	18:16	libstrongswan-sha1.so
-rwxr-xr-x	1	harri	staff	995	Aug	12	18:16	libstrongswan-sha2.la
-rwxr-xr-x	1	harri	staff	93064	Aug	12	18:16	libstrongswan-sha2.so
-rwxr-xr-x	1	harri	staff	1007	Aug	12	18:16	libstrongswan-sshkey.la
-rwxr-xr-x	1	harri	staff	140152	Aug	12	18:16	libstrongswan-sshkey.so
-rwxr-xr-x	1	harri	staff	1043	Aug	12	18:16	libstrongswan-test-vectors.la
-rwxr-xr-x	1	harri	staff	1133368	Aug	12	18:16	libstrongswan-test-vectors.so
-rwxr-xr-x	1	harri	staff	995	Aug	12	18:16	libstrongswan-x509.la
-rwxr-xr-x	1	harri	staff	559024	Aug	12	18:16	libstrongswan-x509.so
-rwxr-xr-x	1	harri	staff	995	Aug	12	18:16	libstrongswan-xcbc.la
-rwxr-xr-x	1	harri	staff	101704	Aug	12	18:16	libstrongswan-xcbc.so

History

#1 - 12.08.2019 18:46 - Tobias Brunner

- Status changed from New to Feedback

Hm, that looks strange. Did you modify configure arguments (e.g. --prefix or one of the --*dir options?) and not run make clean or something?

#2 - 14.08.2019 15:21 - Harald Dunkel

- File build.txt.gz added

Sorry, I should have mentioned the configure command line:

```
./configure --enable-addrblock --enable-agent --enable-bypass-lan --enable-ccm --enable-certexpire --enable-chapoly --enable-cmd --enable-ctr --enable-curl --enable-eap-aka --enable-eap-gtc --enable-eap-identity --enable-eap-md5 --enable-eap-mschapv2 --enable-eap-radius --enable-eap-tls --enable-eap-tnc --enable-eap-ttls --enable-error-notify --enable-gcm --enable-gcrypt --enable-ha --enable-ldap --enable-led --enable-lookip --enable-mediation --enable-openssl --enable-pkcs11 --enable-test-vectors --enable-tpm --enable-unity --enable-xauth-eap --enable-xauth-pam --disable-blowfish --disable-des
```

That's a copy and paste from Debian's debian/rules file for strongswan 5.7.2, except for the --*dir options. No --prefix, either.

Attached you can find a complete build session, using the official source image.

#3 - 15.08.2019 09:50 - Tobias Brunner

Looks like this is a limitation of libtool with libraries that require relinking during installation (see e.g. [this discussion](#)).

You might be able to do this with DESTDIR instead:

```
# make install DESTDIR=/usr/local/stow/strongswan-5.8.0
# stow -d /usr/local/stow -t / strongswan-5.8.0
```

Notice that the target directory is set to / because DESTDIR is simply prepended to the configured prefix. For instance, the libraries will be installed in /usr/local/stow/strongswan-5.8.0/usr/local/lib/ipsec, so stow has to create symlinks relative to / for them to end up in the correct location (i.e. matching the configured prefix) and not in e.g. /usr/local/usr/local/lib/ipsec. To uninstall (stow -D), -t / will also have to be used.

#4 - 24.09.2020 14:25 - Tobias Brunner

- Status changed from Feedback to Closed

- Assignee set to Tobias Brunner

- Resolution set to No feedback

Files

build.txt.gz	44 KB	14.08.2019	Harald Dunkel
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