

strongSwan - Bug #1099

compiling error in r5.3.3

07.09.2015 08:43 - zhonghai li

Status:	Closed	Start date:	07.09.2015
Priority:	Normal	Due date:	
Assignee:	Tobias Brunner	Estimated time:	0.00 hour
Category:	build	Resolution:	Fixed
Target version:	5.3.4		
Affected version:	5.3.3		
Description			
Hi,			
When I try to cross-compile strongswan 5.3.3, I got the error below. This error not found in r5.3.2, so could you help me check the reason?			
<pre>libtool: compile: mipsel-unknown-linux-gnu-gcc -DHAVE_CONFIG_H -I. -I../.../... -I../.../.../sr c/include -I../.../.../src/libstrongswan -I../.../.../src/libhydra -DROUTING_TABLE=220 -DROUTING _TABLE_PRIO=220 -I/home/shared/gmp_res//include -rdynamic -g -O2 -Wall -Wno-format -Wno-format-sec urity -Wno-pointer-sign -include /home/shared/strongswan-5.3.3/config.h -MT kernel_netlink_ipsec.l o -MD -MP -MF .deps/kernel_netlink_ipsec.Tpo -c kernel_netlink_ipsec.c -fPIC -DPIC -o .libs/kerne l_netlink_ipsec.o In file included from kernel_netlink_ipsec.c:25: ../.../.../src/include/linux/netlink.h:36: error: expected specifier-qualifier-list before '__ker nel_sa_family_t' In file included from kernel_netlink_ipsec.c:26: ../.../.../src/include/linux/rtnetlink.h:357: error: expected specifier-qualifier-list before '__ kernel_sa_family_t' kernel_netlink_ipsec.c: In function 'receive_events': kernel_netlink_ipsec.c:1036: error: 'struct sockaddr_nl' has no member named 'nl_pid' kernel_netlink_ipsec.c: In function 'kernel_netlink_ipsec_create': kernel_netlink_ipsec.c:2956: error: 'struct sockaddr_nl' has no member named 'nl_family' kernel_netlink_ipsec.c:2966: error: 'struct sockaddr_nl' has no member named 'nl_groups' make[4]: *** [kernel_netlink_ipsec.lo] Error 1 make[4]: Leaving directory `/home/shared/strongswan-5.3.3/src/libhydra/plugins/kernel_netlink' make[3]: *** [all-recursive] Error 1 make[3]: Leaving directory `/home/shared/strongswan-5.3.3/src/libhydra' make[2]: *** [all-recursive] Error 1 make[2]: Leaving directory `/home/shared/strongswan-5.3.3/src' make[1]: *** [all-recursive] Error 1 make[1]: Leaving directory `/home/shared/strongswan-5.3.3' make: *** [all] Error 2 make install-recursive make[1]: Entering directory `/home/shared/strongswan-5.3.3'</pre>			
Here is the configure I used.			
<pre>./configure --host=mipsel-unknown-linux-gnu --prefix=/home/shared/strongswan_res/ --disable-ikev1 --with-resolv-conf=/etc/resolv.conf --with-lib-prefix=/home/shared/gmp_res/</pre>			
Thanks. Zhonghai Li			
Related issues:			
Related to Issue #1166: Strongswan [strongswan-5.3.3.tar.bz2] is not compilin...		Closed	20.10.2015

Associated revisions

Revision e7143fe9 - 07.09.2015 14:07 - Tobias Brunner

include: Add linux/socket.h

__kernel_sa_family_t is defined and used since Linux 3.1, so on systems


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kernel_netlink_ipsec.c:1508: error: dereferencing pointer to incomplete type
kernel_netlink_ipsec.c:1509: error: dereferencing pointer to incomplete type
kernel_netlink_ipsec.c:1515: error: 'XFRM_STATE_ESN' undeclared (first use in this function)
kernel_netlink_ipsec.c: At top level:
kernel_netlink_ipsec.c:1557: warning: 'struct xfrm_replay_state_esn' declared inside parameter list
kernel_netlink_ipsec.c: In function 'get_replay_state':
kernel_netlink_ipsec.c:1640: error: dereferencing pointer to incomplete type
kernel_netlink_ipsec.c: In function 'update_sa':
kernel_netlink_ipsec.c:1894: warning: passing argument 6 of 'get_replay_state' from incompatible pointer type
kernel_netlink_ipsec.c:1551: note: expected 'struct xfrm_replay_state_esn **' but argument is of type 'struct
xfrm_replay_state_esn **'
make[4]: *** [kernel_netlink_ipsec.lo] Error 1
make[4]: Leaving directory `/rpmbuild/BUILD/strongswan-5.3.3/src/libhydra/plugins/kernel_netlink'
make[3]: *** [all-recursive] Error 1
make[3]: Leaving directory `/rpmbuild/BUILD/strongswan-5.3.3/src/libhydra'
make[2]: *** [all-recursive] Error 1
make[2]: Leaving directory `/rpmbuild/BUILD/strongswan-5.3.3/src'
make[1]: *** [all-recursive] Error 1
make[1]: Leaving directory `/rpmbuild/BUILD/strongswan-5.3.3'
make: *** [all] Error 2
```

#4 - 07.09.2015 12:19 - Tobias Brunner

- *File 0001-include-Add-linux-socket.h.patch added*

Yeah, the errors in the second log are the reason why we ship some of the headers in the first place (to avoid having to plaster the code with #ifdefs). I guess we could also ship linux/socket.h. Could you try the attached patch (without --with-kernel-headers).

#5 - 07.09.2015 13:11 - Pavel Kopchyk

Thanks Tobias, this patch works for me.

#6 - 07.09.2015 14:11 - Tobias Brunner

- *Tracker changed from Issue to Bug*
- *Status changed from Feedback to Closed*
- *Assignee set to Tobias Brunner*
- *Target version set to 5.3.4*
- *Resolution set to Fixed*

OK, thanks for testing. I pushed the commit to master.

#7 - 20.10.2015 10:04 - Tobias Brunner

- *Related to Issue #1166: Strongswan [strongswan-5.3.3.tar.bz2] is not compiling in opensuse linux12 2.6.32.12-0.7-default . added*

Files

0001-include-Add-linux-socket.h.patch	2.21 KB	07.09.2015	Tobias Brunner
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