

## libosmocore - Bug #4786

### bssmap\_le + bsslap tests compiler warning on i386

10/09/2020 07:41 AM - laforge

<b>Status:</b>	Resolved	<b>Start date:</b>	10/09/2020
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	laforge	<b>% Done:</b>	80%
<b>Category:</b>	libosmogsm		
<b>Target version:</b>			
<b>Spec Reference:</b>			

#### Description

See [https://build.opensuse.org/public/build/network.osmocom:nightly/Debian\\_9.0/i586/libosmocore/\\_log](https://build.opensuse.org/public/build/network.osmocom:nightly/Debian_9.0/i586/libosmocore/_log) and all other 32bit builds:

### format string problems

```
[ 372s] bsslap/bsslap_test.c: In function 'test_bsslap_enc_dec':
[ 372s] bsslap/bsslap_test.c:64:15: warning: format '%ld' expects argument of type 'long int', but
argument 2 has type 'int' [-Wformat=]
[ 372s]     printf("[%ld] %s: ERROR: failed to encode pdu\n", (pdu - bsslap_test_pdus),
[ 372s]           ^
[ 372s] bsslap/bsslap_test.c:69:15: warning: format '%ld' expects argument of type 'long int', but
argument 2 has type 'int' [-Wformat=]
[ 372s]     printf("[%ld] %s: ERROR: osmo_bsslap_enc() returned length %d but msgb has %d bytes\n
",
[ 372s]           ^
[ 372s] bsslap/bsslap_test.c:78:15: warning: format '%ld' expects argument of type 'long int', but
argument 2 has type 'int' [-Wformat=]
[ 372s]     printf("[%ld] %s: ERROR: failed to decode pdu: %s\n", (pdu - bsslap_test_pdus),
[ 372s]           ^
[ 372s] bsslap/bsslap_test.c:85:15: warning: format '%ld' expects argument of type 'long int', but
argument 2 has type 'int' [-Wformat=]
[ 372s]     printf("[%ld] %s: ERROR: decoded PDU != encoded PDU\n", (pdu - bsslap_test_pdus),
[ 372s]           ^
[ 372s] bsslap/bsslap_test.c:92:14: warning: format '%ld' expects argument of type 'long int', but
argument 2 has type 'int' [-Wformat=]
[ 372s]     printf("[%ld] %s: ok\n", (pdu - bsslap_test_pdus), osmo_bsslap_msgt_name(pdu->msg_type
));
[ 372s]           ^
[ 372s] /bin/bash ../libtool --tag=CC --mode=link gcc -Wall -pthread -g -O2 -fdebug-prefix-map=/usr/src/packages/BUILD=. -fstack-protector-strong -Wformat -Werror=format-security -DBUILDING_LIBOSMOCORE -Wall -no-install -Wl,-z,relro -Wl,-z,now -o bsslap/bsslap_test bsslap/bsslap_test.o ../src/libosmocore.la -ltalloc ../src/gsm/libosmogsm.la
[ 372s] libtool: link: gcc -Wall -pthread -g -O2 -fdebug-prefix-map=/usr/src/packages/BUILD=. -fstack-protector-strong -Wformat -Werror=format-security -DBUILDING_LIBOSMOCORE -Wall -Wl,-z -Wl,relro -Wl,-z -Wl,now -o bsslap/bsslap_test bsslap/bsslap_test.o ../src/.libs/libosmocore.so -ltalloc ../src/gsm/.libs/libosmogsm.so -pthread -Wl,-rpath -Wl,/usr/src/packages/BUILD/src/.libs -Wl,-rpath -Wl,/usr/src/packages/BUILD/src/gsm/.libs
[ 372s] gcc -DHAVE_CONFIG_H -I. -I.. -I../include -I../include -Wdate-time -D_FORTIFY_SOURCE=2 -DBUILDING_LIBOSMOCORE -Wall -Wall -pthread -g -O2 -fdebug-prefix-map=/usr/src/packages/BUILD=. -fstack-protector-strong -Wformat -Werror=format-security -DBUILDING_LIBOSMOCORE -Wall -c -o bssmap_le/bssmap_le_test.o bssmap_le/bssmap_le_test.c
[ 372s] bssmap_le/bssmap_le_test.c: In function 'test_bssmap_le_enc_dec':
[ 372s] bssmap_le/bssmap_le_test.c:141:15: warning: format '%ld' expects argument of type 'long int', but argument 2 has type 'int' [-Wformat=]
[ 372s]     printf("[%ld] %s: ERROR: failed to encode pdu\n", (pdu - bssmap_le_test_pdus),
[ 372s]           ^
[ 372s] bssmap_le/bssmap_le_test.c:150:15: warning: format '%ld' expects argument of type 'long int', but argument 2 has type 'int' [-Wformat=]
[ 372s]     printf("[%ld] %s: ERROR: failed to decode pdu: %s\n", (pdu - bssmap_le_test_pdus),
[ 372s]           ^
[ 372s] bssmap_le/bssmap_le_test.c:157:15: warning: format '%ld' expects argument of type 'long i
```

```
nt', but argument 2 has type 'int' [-Wformat=]
[ 372s]     printf("[%ld] %s: ERROR: decoded PDU != encoded PDU\n", (pdu - bssmap_le_test_pdus),
[ 372s]           ^
[ 372s] bssmap_le/bssmap_le_test.c:165:14: warning: format '%ld' expects argument of type 'long i
nt', but argument 2 has type 'int' [-Wformat=]
[ 372s]     printf("[%ld] %s: ok (encoded len = %d)\n", (pdu - bssmap_le_test_pdus),
[ 372s]           ^
```

#### Related issues:

Related to libosmocore - Bug #4787: libosmocore test suite failures on i386	<b>Resolved</b>	<b>10/09/2020</b>
Related to Core testing infrastructure - Bug #4789: no gerrit verifications o...	<b>New</b>	<b>10/09/2020</b>

#### History

##### #1 - 10/09/2020 07:56 AM - laforge

- Related to Bug #4787: libosmocore test suite failures on i386 added

##### #2 - 10/09/2020 07:56 AM - laforge

- Subject changed from bssmap\_le + bsslap tets fail on i386 to bssmap\_le + bsslap tests compiler warning on i386

##### #3 - 10/09/2020 08:11 AM - laforge

- Status changed from New to In Progress

- Assignee changed from needs to laforge

- % Done changed from 0 to 80

patch in <https://gerrit.osmocom.org/c/libosmocore/+20500>

##### #4 - 10/09/2020 08:23 AM - laforge

patch merged; re-triggering the OBS build now

##### #5 - 10/09/2020 09:19 AM - laforge

- Related to Bug #4789: no gerrit verifications on a 32bit architecture added

##### #6 - 10/09/2020 09:20 AM - laforge

- Status changed from In Progress to Resolved

OBS build on i386 passes