libosmocore - Bug #4920

BSSGP does not wait after BVC Reset timeout

12/21/2020 02:00 PM - daniel

<table>
<thead>
<tr>
<th>Status:</th>
<th>Rejected</th>
<th>Start date:</th>
<th>12/21/2020</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
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<td>Due date:</td>
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<tr>
<td>Assignee:</td>
<td>lynxis</td>
<td>% Done:</td>
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<tr>
<td>Category:</td>
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<td>Target version:</td>
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<td>Spec Reference:</td>
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Description

The first time a BVC Reset times out we wait a couple seconds, but after sending the second BVC Reset all other Resets are sent directly after another without waiting.

Associated revisions

Revision 82a35a1d - 07/23/2020 12:24 PM - pespin

bts-trx: Fix osmocom dyn ts assert hit during Adm State Unlock

How to reproduce:

- Configure a TS to be TCH/F_TCH/H_PDCH in osmo-bsc.cfg
- Run the network with osmo-bts-trx, then use osmo-bsc's "rf_locked 1"
- Then, unlock it: "rf_locked 0"
- The following assert will be hit:

```
Assert failed ts->dyn.pchan_is == ts->dyn.pchan.want /osmo-bts/src/osmo-bts-trx/l1_if.c:349
```

```
(gdb) bt
#0 0x00007fffffff5bb9355 in raise () from /usr/lib/libc.so.6
#1 0x00007fffffff5ba2853 in abort () from /usr/lib/libc.so.6
#2 0x00007fffffff632361 in osmo_panic_default (fmt=0x5555555814e60 "Assert failed %s %s:%d\n", args=0x7fffffff6e0)
at /libosmocore/src/panic.c:49
#3 0x00007fffffff63249d in osmo_panic (fmt=0x5555555814e60 "Assert failed %s %s:%d\n")
at /libosmocore/src/panic.c:84
#4 0x0000555555570df7 in trx_set_ts (ts=0x7fffffff6be8)
at /osmo-bts/src/osmo-bts-trx/l1_if.c:349
#5 0x00005555555713c3 in bts_model_chg_adm_state (bts=0x627000000160, mo=0x7fffffff6f80, adm_state=2 '
002')
at /osmo-bts/src/osmo-bts-trx/l1_if.c:681
#6 0x0000555555576978 in oml_rx_chg_adm_state (bts=0x627000000160, msg=0x6330000003e0)
at /osmo-bts/src/common/oml.c:1044
#7 0x0000555555576978 in down_form (bts=0x627000000160, msg=0x6330000003e0)
at /osmo-bts/src/common/oml.c:1129
#8 0x00005555555770ed in down_oml (bts=0x627000000160, msg=0x6330000003e0)
at /osmo-bts/src/common/oml.c:1476
#9 0x0000555555577174 in sign_link_cb (msg=0x6330000003e0)
at /osmo-bts/src/common/abis.c:188
#10 0x00007fffffff73b3935 in ipaccess_bts_read_cb (link=0x6120000030a0,
--Type <RET> for more, q to quit, c to continue without paging--
msg=0x6330000003e0)
at /libosmocore/src/input/ipaccess.c:990
#11 0x00007fffffff73a1060 in ipa_client_read (link=0x6120000030a0)
at /libosmocore/src/input/ipa.c:72
#12 0x00007fffffff73a2458 in ipa_client_fd_cb (ofd=0x6210000038a50, what=1)
at /libosmocore/src/input/ipa.c:136
#13 0x00007fffffff7efba7 in osmo_fd_disp_fds (_rset=0x7fffffffdd0,
_wset=0x7fffffffde0, _eset=0x7fffffffde0)
at /libosmocore/src/select.c:227
#14 0x00007fffffff7e38c in __osmo_select_main (polling=0)
at /libosmocore/src/select.c:265
#15 0x00007fffffff7e468 in osmo_select_main (polling=0)
at /libosmocore/src/select.c:274
#16 0x000055555557e089 in bts_main (argc=7, argv=0x7fffffff2e08)
at /osmo-bts/src/common/main.c:354
```

08/08/2021
Related: OS#4920
Change-Id: ia3210e24b921fd0c67f77068b7ef4a65f270cd11

History

#1 - 12/21/2020 05:34 PM - lynxis
- File bvc_reset_too_many.pcapng added
- Status changed from Feedback to New

#2 - 01/16/2021 07:16 PM - daniel
- Status changed from New to Rejected

I guess we can reject this issue since it's related to the SNS fixes you pushed?

Looking at the trace again I can't see any issue/multiple BVC-RESETs being sent. The BVC-RESET is rejected by the gbproxy with a STATUS (because sns was broken in this version). TTCN3 simply ignores that and continues resetting the ptp-bvcs which are also (rightly this time) rejected.

If you disagree please reopen.

Files

bvc_reset_too_many.pcapng 7.36 KB 12/21/2020 lynxis