



#### #4 - 03/26/2019 10:30 AM - msuraev

- Status changed from In Progress to Stalled

#### #5 - 05/08/2019 05:58 PM - laforge

- Assignee changed from msuraev to laforge

msuraev wrote:

Most likely cause is one of the patches merged to osmo-ttcn3-hacks around Feb. 19 because the issue appeared at the same time for both ttcn3-bts-test-latest and ttcn3-bts-test.

That could be:

```
commit 07e8dde671b0cf22842d1fb1cec2ed78f3f7bf0f
Author: Harald Welte <laforge@gnumonks.org>
AuthorDate: Mon Feb 18 20:38:45 2019 +0100
Commit: Harald Welte <laforge@gnumonks.org>
CommitDate: Mon Feb 18 20:42:16 2019 +0100
```

PCUIF: Use OCT4 for IP address, not uint32\_t

In TTCN-3, a 4-byte octetstring is the more usual representation for IP addresses, not an integer type. This is also what functions like `f_inet_addr()` etc. are using as types, and we may want to use them in combination with the PCUIF.

Change-Id: Ia08e1bb8a9bfb5b63922c77bb221cela12f5

or

```
commit elfd916b2110e0282f3d9320958c27876b7d91e1
Author: Harald Welte <laforge@gnumonks.org>
AuthorDate: Mon Feb 18 19:47:53 2019 +0100
Commit: Harald Welte <laforge@gnumonks.org>
CommitDate: Mon Feb 18 20:25:00 2019 +0100
```

PCUIF: Prepare for simulating BTS side of PCU Interface

Our TTCN-3 PCUIF code so far was only used to simulate the PCU side of the interface: connecting to the socket as a client. However, it's also useful to emulate the BTS side of the interface: Listening for a connection as a server.

Also, the send/receive templates are prepared for the inverse role.

Change-Id: I779ff2903cab8c13ffb8fe10a4cadc996baf69a

or

```
commit 9fbcf4b01e1e1a5b5316eab348d5023871101f9e
Author: Harald Welte <laforge@gnumonks.org>
AuthorDate: Fri Dec 7 07:56:52 2018 +0100
Commit: Harald Welte <laforge@gnumonks.org>
CommitDate: Thu Feb 21 11:53:42 2019 +0100
```

PCU: Tests for the BSS/PCU side NS/BSSGP implementations

The existing (unused) PCU\_Tests are operating on top of a NS + BSSGP emulation, i.e. they're aimed at testing higher protocol layers. Also, they required BTS+BSC to run next to the PCU.

The new PCU\_Tests\_RAW introduced in this patch are the exact opposite:

- \* they test the PCU alone (attach to PCUIF and Gb interface)
- \* they don't require BTS or BSC to run
- \* they don't use NS + BSSGP emulation but raw NS/BSSGP frames to test the very NS/BSSGP implementation inside of OsmoPCU.

Change-Id: I7ad76b96974cf0a686ad0f00ccd09d1a9df8b4d5  
Related: OS#2890

**#6 - 05/16/2019 07:59 PM - fixeria**

- Status changed from Stalled to Resolved
- Assignee changed from laforge to fixeria
- % Done changed from 0 to 100

Please see: <https://gerrit.osmocom.org/#/c/osmo-ttcn3-hacks/+14073/>.

**#7 - 05/17/2019 10:41 PM - fixeria**

- Status changed from Resolved to In Progress
- % Done changed from 100 to 90

Hmm, for some reason both TC\_pcu\_data\_req\_agch and TC\_pcu\_data\_req\_imm\_ass\_pch test cases are still failing on Jenkins. At the same time, both pass on my local host. Let's investigate why.

I will try to build Docker images ('ttcn3-bts-test') and run both test cases there.

**#8 - 05/17/2019 11:27 PM - fixeria**

- Status changed from In Progress to Feedback

I will try to build Docker images ('ttcn3-bts-test') and run both test cases there.

Both test cases pass in my local replication of 'ttcn3-bts-test' Docker image. It seems Jenkins is still building / using an old version of osmo-ttcn-hacks?

**#9 - 05/18/2019 10:10 AM - laforge**

On Fri, May 17, 2019 at 11:28:00PM +0000, fixeria [REDMINE] wrote:

It seems Jenkins is still building / using an old version of osmo-ttcn-hacks?

do you have any evidence pointing to that? The containers *should* be rebuilt automatically at the start of each test suite execution, **if** there were any changes in osmo-ttcn3-hacks.git. We constantly see this working when new tests are merged.

The last test run of BTS\_Tests.ttcn (#502) shows the following in the console log:

```
Step 9/13 : RUN cd osmo-ttcn3-hacks && git fetch && git checkout -f $OSMO_TTCN3_BRANCH && git rev-parse --a
bbrev-ref HEAD && git rev-parse HEAD && make deps-update bts
---> Running in 9f4fa79bda0f
[91mFrom git://git.osmocom.org/osmo-ttcn3-hacks
a2d59c6..c78ea26 master -> origin/master
[0m [91m * [new branch] lynxis/specify_specific_tests -> origin/lynxis/specify_specific_tests
[0m [91m * [new branch] lynxis/test -> origin/lynxis/test
[0m [91m * [new branch] pespino/osmux -> origin/pepino/osmux
[0m [91mAlready on 'master'
[0mYour branch is behind 'origin/master' by 1 commit, and can be fast-forwarded.
(use "git pull" to update your local branch)
master
a2d59c6e6efa1fa979aa5e1cd61a9eb21a775cb6
```

So it's executing a2d59c6e6efa1fa979aa5e1cd61a9eb21a775cb6 reflecting current master. I don't see any evidence of it executing old tests.

Regards,  
Harald

**#10 - 05/18/2019 12:41 PM - fixeria**

do you have any evidence pointing to that?

Well, the evidence is already in your message:

```
[0m [91mAlready on 'master'  
[0mYour branch is behind 'origin/master' by 1 commit, and can be fast-forwarded.  
(use "git pull" to update your local branch)  
master  
a2d59c6e6efa1fa979aa5e1cd61a9eb21a775cb6
```

Right now while I am writing this message, 'origin/master' points to `c78ea26f219ff4d8b0a8fce08a17168dedf2f157` "library/PCUIF\_Types.ttcn: add explicit ALIGN attribute", while `a2d59c6e6efa1fa979aa5e1cd61a9eb21a775cb6` from the mentioned log is "add three tests for CIPHER MODE COMPLETE without algo".

The containers should be rebuilt automatically at the start of each test suite execution, if there were any changes in `osmo-ttcn3-hacks.git`.

As we can see, there was at least one change, but Jenkins is still building an older version. This is not the first time I see this odd behaviour: after fixing both `BTS_Tests.TC_rach_content` and `BTS_Tests.TC_rach_count` in `lbb6d27c6589965c8b59a6d2598a7c43fd860f284`, it took a few days until they actually become green.

If I am not missing anything and my understanding is correct, we need to create a separate issue for that.

#### **#11 - 05/21/2019 06:35 PM - fixeria**

- *Status changed from Feedback to Resolved*

- *% Done changed from 90 to 100*

The test case is green since build #507. Closing.