

Cellular Network Infrastructure - Bug #4571

TTCN3-centos-sip-test: 4/5 tests failing

05/30/2020 09:48 AM - osmith

Status:	Resolved	Start date:	05/30/2020
Priority:	High	Due date:	
Assignee:	daniel	% Done:	100%
Category:			
Target version:			
Spec Reference:			
Description			
This log message seems related:			
SIP_Test-SIP@3a8a7ddac7cd: Dynamic test case error: SIP Test Port: syntax error "v" -> unexpected character at character position 1.			
https://jenkins.osmocom.org/jenkins/view/TTCN3-centos/job/TTCN3-centos-sip-test/			

History

#1 - 05/30/2020 09:49 AM - osmith

- Description updated

#2 - 06/01/2020 09:00 PM - laforge

- Assignee set to sysmocom

#3 - 06/01/2020 09:08 PM - laforge

Interestingly wireshark segfaults when trying to open

https://jenkins.osmocom.org/jenkins/view/TTCN3-centos/job/TTCN3-centos-sip-test/lastSuccessfulBuild/artifact/logs/sip-tester/SIP_Tests.TC_mt_success_rel_sip.pcap - rebuilding current wireshark in the hope it actually allows me to look at the SIP messages.

#4 - 06/01/2020 10:19 PM - laforge

- Priority changed from Normal to High

From the IRC log:

```
23:07 <@LaF0rge> interestingly my wireshark segfaults when trying to open
https://jenkins.osmocom.org/jenkins/view/TTCN3-centos/job/TTCN3-centos-sip-test/lastSuccessfulBuild/artifact/1
ogs/sip-tester/SIP_Tests.TC_mt_success_rel_sip.pcap
23:09 < fixeria> does not crash on my machine :/
23:10 < fixeria> so maybe rebuilding master would help
23:13 < fixeria> although my wireshark does not want to decode packet#18 as SIP (despite being forced to
using "Decode As") and shows raw bytes instead
23:17 < fixeria> LaF0rge: maybe that's the problem - there is no SIP header at all
23:18 < fixeria> the payload starts with "v=0..o=Osmocom"
23:18 < fixeria> "Dynamic test case error: SIP Test Port: syntax error "v" -> unexpected character at
character position 1."
```

So somehow the sofia-sip library used on Centos8 produces malformed SIP messages without any SIP header. This needs to be investigated.

#5 - 06/02/2020 08:47 AM - laforge

- Assignee changed from sysmocom to Hoernchen

#6 - 06/02/2020 10:43 AM - Hoernchen

- % Done changed from 0 to 50

The sofia-sip provided by Ubuntu works, but centos does not offer sofia-sip, so we provide our own version based on a pristine copy of the source code which is unmaintained since 2011. As it turns out Ubuntu has fixes applied to it relating to strict aliasing violations, so that is most likely the issue

we're seeing here, too.

#7 - 06/03/2020 05:20 PM - Hoernchen

I ran the ttcn3 sip test from my host with a osmo-sip-connector in a centos container, and merely building a rpm from the opensuse forge spec file (<https://build.opensuse.org/package/show/openSUSE:Factory/sofia-sip>) + debian sofia-sip repo that is listed as package source for the deb/ubuntu packages (<https://salsa.debian.org/ron/sofia-sip> debian branch) works, while our own package linked from the forge package build does not. The most reasonable fix was suggested by [laforge](#) - just create a source tarball from this and push it to our obs build once which should then be built for centos only + remove the linked package from osmo-ci/scripts/osmocom-obs-link.sh, [daniel](#) can you do that?

#8 - 06/03/2020 06:25 PM - daniel

Can you check if the packages in https://build.opensuse.org/package/binaries/home:daniel_w:branches:openSUSE:Factory/sofia-sip/CentOS_8_Stream work for you?

If it does I can push it to osmocom:network...

#9 - 06/03/2020 08:43 PM - laforge

- Assignee changed from Hoernchen to daniel

re-assigning to @daniel.

The rationale here is that he has plenty of OBS experience, while @Hoernchen doesn't - and we want to solve this in an economic number of hours...

#10 - 06/03/2020 10:24 PM - roox

daniel wrote:

Can you check if the packages in https://build.opensuse.org/package/binaries/home:daniel_w:branches:openSUSE:Factory/sofia-sip/CentOS_8_Stream work for you?

If it does I can push it to osmocom:network...

[daniel](#) I just cleaned up the ancient openSUSE package...
(source and patch are from the debian package)
<https://build.opensuse.org/package/show/home:mnhauke/sofia-sip>
<https://build.opensuse.org/request/show/811245>

#11 - 06/04/2020 09:05 AM - daniel

- Status changed from New to Resolved

- % Done changed from 50 to 100

roox wrote:

[daniel](#) I just cleaned up the ancient openSUSE package...
(source and patch are from the debian package)
<https://build.opensuse.org/package/show/home:mnhauke/sofia-sip>
<https://build.opensuse.org/request/show/811245>

Great, thanks!

With that package <https://jenkins.osmocom.org/jenkins/view/TTCN3-centos/job/TTCN3-centos-sip-test/> is passing.
I'll redirect the link once the request went through.

#12 - 06/08/2020 09:39 AM - daniel

The changes are now in openSUSE:Factory, so linking there again.

<https://build.opensuse.org/request/show/811435>