

OsmoSGSN - Bug #1977

3G luPS is unreliable

03/09/2017 05:01 PM - neels

Status: Closed	Start date: 03/09/2017
Priority: Normal	Due date:
Assignee: lynxis	% Done: 100%
Category: lu interface	
Target version:	
Spec Reference:	
Description When first registering on a 3G network, luPS data service often does not work right away. Going to flight mode and back into the network may resolve the issue. Sometimes it takes several of them. Once showing a website the first time, it seems to work well further on.	
Related issues:	
Related to OsmoSGSN - Bug #1818: luPS: CN should lu Release in certain situat...	New 10/12/2016
Related to OsmoSGSN - Support #3920: PCAPs files of 3G PS for Osmocom network...	In Progress 04/12/2019
Related to OsmoSGSN - Bug #3727: SGSN segfaults on network type change	Resolved 12/12/2018
Related to OsmoSGSN - Bug #3995: OsmoSGSN doesn't close SCCP connection after...	Closed 05/10/2019

History

#1 - 03/09/2017 05:01 PM - neels

- Related to Bug #1818: luPS: CN should lu Release in certain situations added

#2 - 03/09/2017 05:01 PM - neels

may or may not be related to [#1818](#)

#3 - 08/17/2017 06:51 AM - laforge

- Assignee changed from Osmocom CNI Developers to sysmocom

#4 - 08/30/2017 10:39 PM - neels

See [#1818#note-4](#) (and #1818's attached pcap) indicating a likely solution to this issue: mismatching keystatus.

#5 - 08/30/2017 11:36 PM - neels

hmm, it doesn't seem so easy to reproduce a situation where the new_key flag reflects the wrong value.

I do get unreliable behavior, like web browser page failing to load, failing DNS lookups on-and-off, but all the while the new_key flag reflects the actual key status that is transmitted.

It doesn't seem to be as quick a fix as I thought.

#6 - 12/10/2017 08:10 PM - laforge

- Category set to lu interface

#7 - 05/30/2018 03:01 PM - laforge

- Tags set to 3G

#8 - 04/13/2019 11:26 AM - laforge

- Related to Support #3920: PCAPs files of 3G PS for Osmocom network and Commercial one added

#9 - 09/04/2019 09:33 AM - laforge

- Assignee changed from sysmocom to lynxis

Do we still consider this to be the case? Or has this meanwhile been resolved?

#10 - 09/16/2019 04:58 PM - neels

I tried to quickly test luPS to see how it fares, but hit a crash: [#4208](#)

I haven't yet seen a really reliable 3G data connection. Possibly problems are fixed, but let's consider this unresolved until osmo-sgsn works again.

#11 - 09/16/2019 07:37 PM - lynxis

- Status changed from New to In Progress

- % Done changed from 0 to 80

So far I see the following problems

- ran changes 2g/3g (patches in Gerrit, but WIP)
- lu release (patches need to be merged)
- synchronize PDP Context: MS state with SGSN state (already merged)

#12 - 09/16/2019 07:38 PM - lynxis

- Related to Bug #3727: SGSN segfaults on network type change added

#13 - 09/16/2019 07:38 PM - lynxis

- Related to Bug #3995: OsmoSGSN doesn't close SCCP connection after successful LU over luPS added

#14 - 09/17/2019 01:00 AM - neels

So, I learned that the crash is known and comes from changing from 2G to 3G. Taking care not to do that, I tried the 3G luPS successfully.

I actually don't see the weird behavior that made me create this issue originally.

It seems that the cause making the luPS data uplink hiccup has indeed been fixed.

[lynxis](#) from my side it seems that we can close this, and track the remaining known luPS problems in their own issues each. Agree?

#15 - 09/28/2019 09:41 PM - lynxis

- Status changed from In Progress to Closed

- % Done changed from 80 to 100