

OsmoGGSN (former OpenGGSN) - Bug #3208

automatic test setup for OsmoGGSN with kernel-gtp-u

04/24/2018 05:10 PM - laforge

Status: Stalled	Start date: 04/24/2018
Priority: Normal	Due date:
Assignee: laforge	% Done: 10%
Category:	
Target version:	
Spec Reference:	
Description	
We do have some tests in GGSN_Tests.ttcn which are executed at https://jenkins.osmocom.org/jenkins/job/ttcn3-ggsn-test/	
However, this runs osmo-ggsn only in userspace mode, i.e. we're not testing the interaction with kernel-gtp-u.	
Let's create a setup in which we can test with [various version of the] kernel gtp-u module. I guess this would then mean we're running some qemu-kvm VM with a given kernel + distribution, in which we're running a specified version of osmo-ggsn.	
Turning the VM into a jenkins build slave is not a good idea, as that would mean it's not possible to build + restart a different kernel as needed. So we should rather have something like a build slave which then (inside a jenkins job) starts the VM with OsmoGGSN, possibly after rebuilding kernel and/or osmo-ggsn.	
Related issues:	
Related to OsmoGGSN (former OpenGGSN) - Bug #3215: GGSN_Tests.ttcn GTP-U sequ...	Resolved 04/25/2018

History

#1 - 04/25/2018 01:35 PM - laforge

- Status changed from New to In Progress
- % Done changed from 0 to 10

I'm not working with an automatic setup yet, but what I have managed so far is:

- script to create a qumu-kvm VM with Debian 9 and all required packages, plus the libmnl, libgtpnl and osmo-ggsn source code
- another script to
 - build a given [newer] Linux kernel version on the host, followed by
 - scp the resulting kernel+modules into the running VM and
 - using update-grub to activate the new kernel [only works if new version is higher]

This setup can then be used to run GGSN_Tests.ttcn against it.

#2 - 04/25/2018 01:39 PM - laforge

- Related to Bug #3215: GGSN_Tests.ttcn GTP-U sequence number handling incompatible with kernel GTP-U added

#3 - 05/30/2018 02:54 PM - laforge

- Tags set to GTP

#4 - 07/04/2018 12:45 PM - laforge

- Status changed from In Progress to Stalled

#5 - 10/17/2018 10:14 AM - laforge

- Priority changed from Urgent to Normal