

OsmoMGW - Feature #2517

use libsmocore counters for packet/byte counting (statistics)

09/22/2017 07:37 AM - dexter

Status:	Resolved	Start date:	09/22/2017
Priority:	Normal	Due date:	
Assignee:	dexter	% Done:	100%
Category:			
Target version:			
Description			
use any of the libsmocore counters, rather than having hand-coded counters. A rate counter would have the benefit that it would come with free CTRL interface access to the counters.			
(see also the SGSN/PDP-Context per direction packet and byte counting)			

History

#1 - 10/06/2017 12:28 PM - laforge

#2 - 03/19/2018 05:19 PM - dexter

- Status changed from New to In Progress

- % Done changed from 0 to 20

I have replaced state.in_stream.err_ts_counter and state.out_stream.err_ts_counter with libsmocore counters. There are still a couple more counters I think.

#3 - 03/26/2018 08:54 AM - dexter

We have an approach for libsmocore counters: <https://gerrit.osmocom.org/#/c/7396/> but we agreed not to merge it. We will go for rate counters instead that are much better alternative and also have better control interface support.

#4 - 03/28/2018 02:27 PM - dexter

- % Done changed from 20 to 30

There is now an alternate patch that uses libsmocore rate counters:

<https://gerrit.osmocom.org/7555> stats: use libsmocore rate counter for in/out_stream.err_ts_counter

#5 - 04/23/2018 12:28 PM - dexter

Unfortunately the patch got reverted.

<https://gerrit.osmocom.org/7891>

https://build.opensuse.org/package/live_build_log/network:osmocom:nightly/osmo-mgw/xUbuntu_17.04/i586

When looking at the OBS log I can see that there is some unexpected output. We need to check whats behind this and resubmit the patch when the error has been found.

#6 - 05/03/2018 01:11 PM - dexter

- Status changed from *In Progress* to *Feedback*
- Assignee changed from *dexter* to *lynxis*

[lynxis](#): How can I retrieve the log from the build failure, I only added the link to the top build to the ticket. In order to pinpoint the problem, I need the logtext from the failure situation.

#7 - 05/04/2018 09:16 PM - lynxis

[dexter](#): I've created a 32bit lxc container to test it.

#8 - 05/09/2018 02:34 PM - dexter

- Assignee changed from *lynxis* to *dexter*

The build problem under OBS was most likely a problem an integer size problem on the 32-bit build. I managed to reproduce the failure under an 32 bit debian VM and fixed it. Here is the new version of the patch:

<https://gerrit.osmocom.org/8086> stats: use libosmocore rate counter for in/out_stream.err_ts_counter

#9 - 07/03/2018 12:29 PM - dexter

- Status changed from *Feedback* to *In Progress*
- % Done changed from 30 to 90

I have now replaced the counters that relate to packet/byte counting. See also:

<https://gerrit.osmocom.org/#/c/osmo-mgw/+9837> stats: replace packet statistic counters with libosmocore rate counters

#10 - 07/09/2018 08:32 AM - dexter

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

As far as I can see we have now joined all relevant counters inside a rate counter group. Whats left is struct mgcp_conn_rtp.osmux.stats. I would suggest to fix this when osmux support is re-introduced. Until now this would only increase the confusion about osmux.