

Cellular Network Infrastructure - Feature #2558

Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances

10/06/2017 02:53 PM - laforge

Status:	In Progress	Start date:	10/06/2017
Priority:	High	Due date:	
Assignee:	zecke	% Done:	0%
Category:			
Target version:	Virtual GSM Load Testing		
Spec Reference:			
Description			
The goal here is to be able to run a network with hundreds of BTSs, several hundreds of TRXs and thousands of MSs from a single command, in order to perform load testing against OsmoBSC.			
The scripts should make sure all related processes are started reliably, their termination is recorded, and somehow their result / error / logging is aggregated and reported.			
Related issues:			
Related to OsmoBTS - Feature #2557: extend osmo-bts-virtual + GSMTAP with voi...		New	10/06/2017
Related to OsmocomBB - Feature #2556: Extend virt_phy and "mobile" with suppo...		New	10/06/2017
Related to OsmocomBB - Feature #2555: script interface to OsmocomBB "mobile"		In Progress	10/06/2017
Related to OsmoBSC - Support #2622: Prepare automatic interop testing of Omso...		In Progress	11/07/2017
Blocks OsmoBSC - Feature #2893: automatic simulator for large LU load		Stalled	01/27/2018

History

#1 - 10/06/2017 02:53 PM - laforge

- Related to Feature #2557: extend osmo-bts-virtual + GSMTAP with voice frame (TCH) support added

#2 - 10/06/2017 02:53 PM - laforge

- Related to Feature #2556: Extend virt_phy and "mobile" with support for voice frames added

#3 - 10/06/2017 02:54 PM - laforge

- Related to Feature #2555: script interface to OsmocomBB "mobile" added

#4 - 10/29/2017 07:05 PM - laforge

- Target version set to Virtual GSM Load Testing

#5 - 11/07/2017 08:12 PM - laforge

- Assignee set to zecke

#6 - 11/07/2017 08:29 PM - laforge

- Priority changed from Normal to High

#7 - 11/07/2017 09:47 PM - laforge

- Related to Support #2622: Prepare automatic interop testing of OsmoBSC against NG40 core simulator + osmo-bts-virtual + mobile added

#8 - 05/17/2018 11:55 AM - laforge

[zecke](#): any update here?

#9 - 07/04/2018 01:06 PM - laforge

- Blocks Feature #2893: automatic simulator for large LU load added

#10 - 08/08/2018 11:09 AM - laforge

what's the status here?

#11 - 08/29/2018 03:46 AM - zecke

- Status changed from New to In Progress

Progress was slow... but I have the first integration into proper gsm tester and the next steps are:

- Build virtphy/mobile for gsm tester on jenkins
- Start running tests with one bts and a handful of MS
- Increase that number to find the breaking point for our current machines (multicast on localhost limits)
- Be able to schedule SMS tests as well (something like 10kphones, 20k SMS and then they are sent among the available MSISDNs)
- Drive MNCC for call testing (I would skip specific binding/primitive/tunneling support)