

Version 10.2

Release Date: February 19, 2015

Component Versions

1. LTE Load Tester Console: 10.2.0.4
2. IP Traffic Emulator: 10.2.0.4
3. Diameter Emulator: 10.2.0.4
4. Packet Builder: 10.2.0.3

This Version is compatible with LTE Emulator 10.2.0.9.

New in Release 10.2

1. Compatible with 3GPP specification release version 10.
2. Creation of User Defined Procedures for EPC signaling and user-plane testing.

Resolved Issues

Issue #	Summary
10309	If log and statistic file save rate is set to one second, Load Tester Console crashes after 21 hours.

Known Issues

Issue #	Summary
10424	If the S6a interface of a Diameter Routing Agent (DRA) is tested by generating traffic at a rate of 20,000 Diameter transactions per second, the Diameter Emulator stops working after 5-6 hours.
10448	IP Traffic Emulator sometimes stops working while generating IPv6 traffic.
11025	Load Tester measurement shows success even if Bearer Resource Modification procedure fails.

Issue #	Summary
11028	If Paging procedure is used in two different sequences, one Paging does not work.
11027	Install Service procedure does not work for PDN type IPv6.

Version 10.1

Release Date: September 15, 2014

Component Versions

1. LTE Load Tester Console: 10.1.0.3
2. IP Traffic Emulator: 10.1.0.3
3. Diameter Emulator: 10.1.0.3

New in Release 10.1

1. Compatible with 3GPP specification release version 10.1.

Resolved Issues

Issue #	Summary
9952	Same file can not be used in FTP procedures of different test sequences.
9924	File transfer operations sometimes do not work with external FTP server, especially, when FTP server runs on Fedora 19 system.
10220	If file transfer completes in less than a second, peak value of “FTP Connections” does not get updated properly in Connection Metrics.

Known Issues

Issue #	Summary
10424	If the S6a interface of a Diameter Routing Agent (DRA) is tested by generating traffic at a rate of 20,000 Diameter transactions per second, the Diameter Emulator stops working after 5-6 hours.
10448	IP Traffic Emulator sometimes stops working while generating IPv6 traffic.

Version 4.0

Release Date: July 18, 2014

Component Versions

1. LTE Load Tester Console: 4.0.0.4
2. ENodeB Emulator: 10.1.0.8
3. IP Traffic Emulator: 4.0.0.4
4. Diameter Emulator: 4.0.0.4

New in Release 4.0

1. Support of FTP Traffic Generation. The IP Traffic Emulator emulates thousands of FTP clients and multiple FTP servers for file transfer.
2. Testing OCS on Gy Diameter interface.
3. Testing OFCS on Gz Diameter interface.
4. Testing PCRF on Gxc Diameter interface.
5. Offline analysis of test results.

Version 3.1

Release Date: January 24, 2014

Component Versions

1. LTE Load Tester Console: 3.1.0.5
2. ENodeB Emulator: 4.2.0.36
3. IP Traffic Emulator: 3.1.0.5
4. Diameter Emulator: 3.1.0.5

New in Release 3.1

1. Testing HSS on S6a Diameter interface.
2. Testing DRA on S6a Diameter interface.
3. Testing Home eNodeB Gateway on S1-MME and S1-U interfaces.
4. Testing a system consisting of multiple nodes. For example, an EPC with multiple MMEs, SGWs and PGWs.
5. Command Line Interface (CLI) for test execution.

Version 3.0

Release Date: September 30, 2013

Component Versions

1. LTE Load Tester Console: 3.0.0.3
2. LTE Emulators: 4.2.0.36
3. IP Traffic Emulator: 3.0.0.3
4. Diameter Emulator: 3.0.0.3

New in Release 3.0

1. Testing PCRF on Gx, Rx and S9 Diameter interfaces.

Version 2.4

Release Date: August 02, 2013

Component Versions

1. LTE Load Tester Console : 2.4.0.5
2. LTE Emulators: 4.2.0.33
3. IP Traffic Emulator: 2.4.0.5

New in Release 2.4

1. IPv6 Traffic generation.
2. User-plane traffic continuation across the handover of UEs.
3. Increased eNodeB simulation capacity up to 4000 eNodeBs.
4. Importing authentication keys (K) from a file while creating a UE group.

Version 2.3

Release Date: May 06, 2013

Component Versions

1. LTE Load Tester Console : 2.3.0.7
2. LTE Emulators: 4.2.0.28
3. IP Traffic Emulator: 2.3.0.7

New in Release 2.3

1. TCP Traffic generation.

Version 2.2

Release Date: October 19, 2012

Component Versions

1. LTE Load Tester Console : 2.2.0.4
2. LTE Emulators: 4.2.0.16
3. IP Traffic Emulator: 2.2.0.4

New in Release 2.2

1. Support of GTPu encapsulated traffic generation and reception by IP Traffic Emulator to achieve higher user-plane throughput over LTE EPC network. IP Traffic Emulator runs with Polaris Networks eNodeB Emulator on the same machine to generate GTPu encapsulated traffic.
2. Support of run-time modification of dynamic properties like burst interval and burst size for a Traffic Generator.

Version 2.1

Release Date: September 26, 2012

Component Versions

1. LTE Load Tester Console : 2.1.0.9
2. LTE Emulators: 4.2.0.14
3. IP Traffic Emulator: 2.1.0.8

New in Release 2.1

1. Support of IP traffic generation using IP Traffic Emulator. IP Traffic Emulator emulates an IP traffic endpoint for thousands of sources and also receives traffic to measure latency, throughput and packet loss. It is used for user-plane data testing over an LTE network.
2. Improved User Traffic Metrics. Current, Cumulative and Peak values of the metrics are displayed.

Version 2.0.0.4

Release Date: June 6, 2012

Component Versions

1. LTE Load Tester Console : 2.0.0.4
2. LTE Emulators: 4.2.0.9

New in Release 2.0

1. Support of OPc operator variant support.
2. Support for IPv6 address for UE and Internal Traffic Generator.
3. Provision to map different 3GPP logical interfaces to different network interfaces.
4. Support of SCTP multi-homing for S1-MME interface of eNodeB.

Version 1.1.0.4

Release Date: February 14, 2012

Component Versions

1. LTE Load Tester Console : 1.1.0.4
2. LTE Emulators: 4.1.0.4

New in Release 1.1

1. Three new procedures: Default bearer deletion, Trace Activation and Trace Deactivation.
2. Provision to add neighbour HSS, SGW or MME to an emulated MME.
3. New User Metric tab to display current and peak values of Attached UEs, S1-U Connections and PDN Connections.
4. Provision to import testbed configuration and test scenario.
5. Check point to validate certain metrics and take action based on the validation.
6. Final validation to validate certain metrics at the end of a test scenario.
7. Graph to plot metrics.

Version 1.0.0.2 Beta

Release Date: December 27, 2011

Component Versions

1. LTE Load Tester Console : 1.0.0.2
2. LTE Emulators: 4.1.0.1

New in Release 1.0

1. First Release.