



NGN Load Tester

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OVERVIEW

The Valid8 NGN tester enables testing of SIP, ISUP, Megaco and RTP.

WHAT IT CAN DO FOR YOU

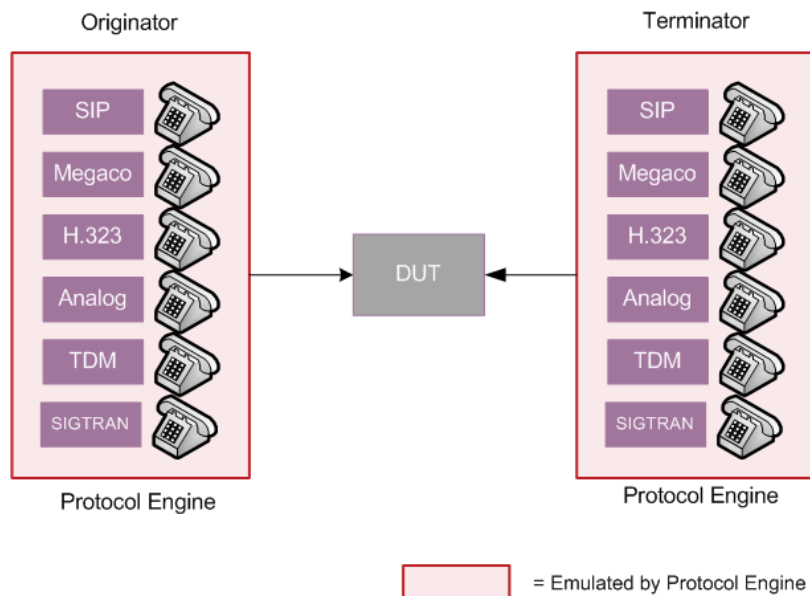
Tests endpoints, SSE, DHCP server, media gateway, CO switch

WHY IT'S DIFFERENT

- Solution can be run on high-end customer hardware/VM to achieve better performance, or in the Cloud (e.g. Amazon AWS) for maximum versatility
- Web-based Graphical User Interface provides customer with intuitive, easy access via browser
- API's used (REST, HTTP) enable automated testing using test tools.
- Emulated nodes behave exactly as true real nodes, due to Finite State Machine architecture
- Testing is scalable across multiple cores and multiple systems

FEATURES

- Measure Key Performance Indicators (KPIs) such as number of simultaneous sessions and Busy Hour Call Attempts (BHCA)
- Check voice, video calls
- Registration load
- RTP media file playback
- Report on media received, call connect time, call duration, jitter, packet loss
- Generate valid and invalid/negative messages and call-scenarios
- Supports sending invalid responses including malformed, dropped and misordered packets
- Alerts and notifications



SUBSYSTEMS

KPIs

- Call Attempts
- Call Successes
- Call Failures
- Calls per second (CPS)
- Call setup time
- Call tear down time
- Media Tx Packets (audio)
- Media Rx Packets (audio)
- MOS/PESQ score * optional

Configurable Parameters

- Call session length
- Concurrent calls/endpoints
- BHCA/CPS

AUTOMATION API

User commands can be fully automated using REST API. This includes performing all test control functions as well as collecting results and metrics.

SCRIPTING

The application's subsystems can be edited directly in the browser using Javascript or by using the graphical tools seen below. The Message Workshop allows for creating of test scenarios directly from the hex stream of a remote capture, while the Graphical Editor allows for creating customized call scenarios by dragging and dropping the call flow to meet your test needs.

USE CASES

SIP SERVER UNDER TEST

For testing the SIP Server, the Valid8 Tester can generate SIP calls to test performance and stability.

Supported Scenarios:

- REGISTER
- INVITE Audio/Video calls
- MESSAGE
- UPDATE
- PRACK

MEDIA GATEWAY UNDER TEST

For testing the Media Gateway (MG), the Valid8 Tester can generate SIP, Megaco & ISUP calls with user plan media to test performance and stability.

Supported Scenarios:

- SIP calls
- Megaco calls
- ISUP calls
- TDM user plane
- Voice Quality

SUMMARY OF SPECIFICATIONS

SPECIFICATIONS

Update in Progress

PRODUCT DETAILS

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