

100% Automated
test execution via Command Line
Interface (CLI)

Reduced test time, cost and test
bed complexity

Easy to use with test cases and
results in plain text format

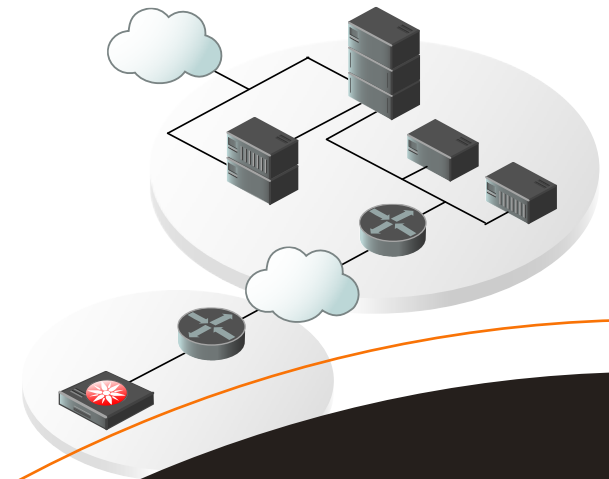
Scalable, increase test capacity by
using multiple Test Heads
in parallel

In-depth analysis with ladder
diagrams and
SIP traffic captures

Delivered with functional
Test Cases

Test Case execution against
multiple SUTs simultaneously

Generate your own SIP SBC traffic
emulation by using Zoltes
CAP technology (Capture, Analysis,
and Playback)



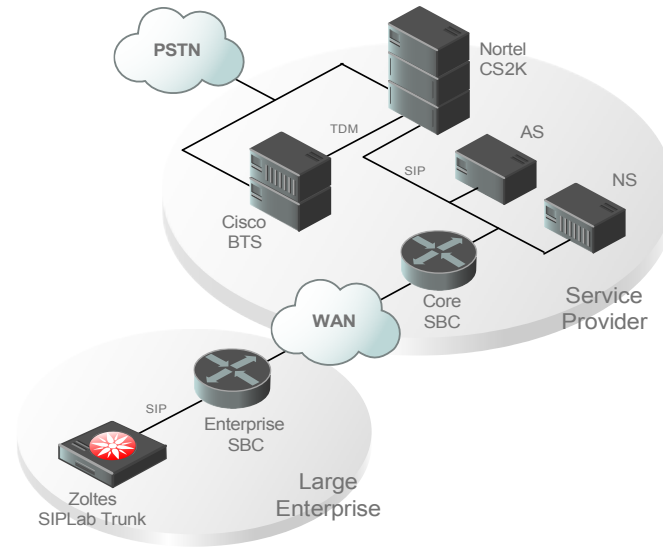
SIPLab
Trunk
Emulator

AUTOMATED INTEROPERABILITY AND REGRESSION TESTING

Zoltes SIPLab Trunk automates the interoperability and regression testing of System Under Test by simulating real-world Session Border Controllers (SBC).

SIPLab Trunk emulator comes with full automated testing framework via CLI and SOAP, comprehensive test results and predefined Test Cases augmented with the related test documentation.

SIPLab Trunk provides full flexibility integrating with any 3rd-party Test Automation and Provisioning Tools on the market (Mercury QTP/ WinRunner, Eden Tree, etc.).



KEY FEATURES

- > Automation via CLI/SOAP interfaces
- > Emulate multiple SIP Phones concurrently
- > Easy to create and modify test scenarios in text format
- Allow custom SBC profile per manufacturer:
 - > Traffic shaping
 - > SIP message flow
- > Comprehensive test results
 - > SIP Call Flow Ladder Diagram
 - > Test Pass/Fail and Failure Reasons
 - > Automatic integration with Wireshark
 - > Test results stored in CSV file
- > Integrate seamlessly into internal test management systems

USE CASES

- > SIP Trunk emulation (SBC side) to ensure automated backward compatibility
- > Regression testing
- > Pre-deployment testing
- > Originate and terminate SIP Calls over unregistered trunks
- > Inter-work with SIPLab Trunk and SQA Call Generator in complex test beds

SPECIFICATIONS

Package

- > SIPLab Trunk Software (CPU bound license)
- > Product documentation
- > Sample Test Cases with documentation

Functionality Test Cases

- > Make Call/ Wait Call
- > Path Confirmation with RFC 2833 tones
- > RTP (optional)
- > End Call

Supported standards

- > IETF SIP RFC 3261
- > IETF SIP RFC 3262
- > IETF SIP over UDP
- > IETF SDP RFC 2327
- > IETF RTP RFC 1889, RFC 2833
- > Handle Early Media/ Delayed Media
 - > Ability to send INVITE with or without SDP
 - > Ability to enable/disable 100 rel
 - > Ability to respond with PRACK method

Performance per emulated trunk

- > Up to 5000 active calls without RTP
- > Up to 30 call per seconds
- > Up to 3000 active calls with RTP (G.711 codec)