



Protocol Simulation

STINGA Protocol Simulator is the ideal tool for load & performance testing, troubleshooting and ad-hoc testing. It makes it possible to test and verify network elements, network services and network performance, which are important for ensuring Quality of Service (QoS), network reliability, interoperability between network elements and user satisfaction. Based on customer feedback, *STINGA Protocol Simulator* from UTEL SYSTEMS is the ideal tool for load & performance testing, troubleshooting and ad-hoc testing.



STINGA Protocol Simulator

STINGA Protocol Simulator simulates realistic network traffic. It is an essential tool for network operators and service providers in ensuring Quality of Service (QoS) and good user experience.

STINGA Protocol Simulator is a cost-efficient test tool and performs SS7 protocol simulation over TDM and IP, as well as SCTP simulation, SIP-T simulation and ISDN PRI simulation.

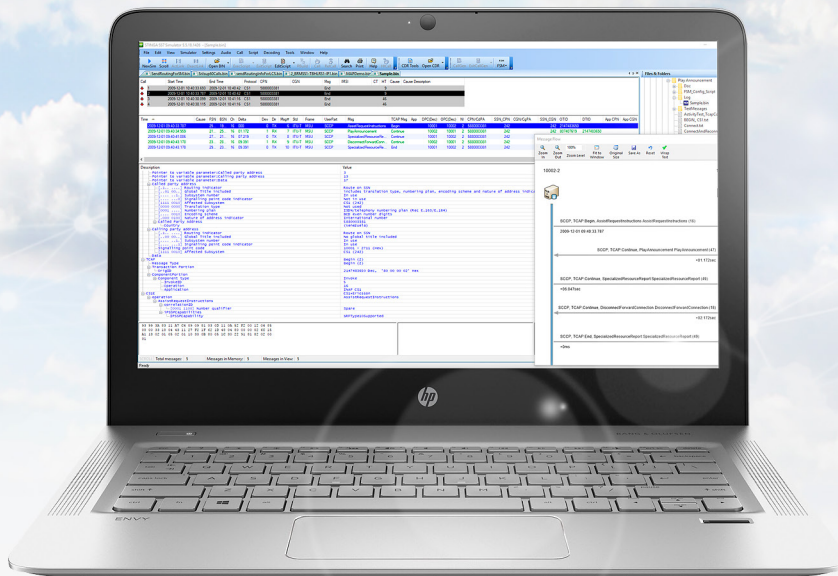
Features

- SS7 Protocol Simulation over TDM and IP
- ISDN PRI Protocol Simulation over TDM
- Generate Real Network Traffic
- Black Box and White Box Testing
- Functional Testing
- Load & Performance Testing
- Media Testing
- Parameter building
- Powerful Script Language
- Conformance Test Suit Framework
- Easy-to-use



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Testing

STINGA Protocol Simulator supports load & performance testing, conformance testing, functional testing, regression testing, mobile testing and media testing, from prototyping-stage to final product. Testing new services, products, or software versions early in the development phase saves time, prevents errors, and ensures interoperability between network elements. When commercially released and distributed, all new network elements are verified to function in a real network environment and to deliver on its premises.

Benefits

- Cost-effective test tool
- Test with real network conditions
- Regenerate occurred errors
- Test and verify on an early development stage
- Load & performance testing, functional testing, conformance testing, regression testing, mobile testing and media testing

Generate various traffic conditions

STINGA Protocol Simulator can generate both real network conditions and custom traffic towards specific or all parts of a network. It can also regenerate problems or irregularities that have already occurred in a real network environment. This makes error tracking and searching easier, and customer experience can easily be tested to ensure high quality.

Interfaces

- 1GE
- E1/T1/J1

Simulators

- SS7oTDM
- SS7oIP/SIGTRAN
- ISDN PRI

Conformance Test Suite Frameworks are included with *STINGA Protocol Simulator*. These frameworks contain a large number of test scripts and templates to simulate calls, data traffic etc. towards one or several parts of a network. Test scripts and templates can easily be customized for specific tests.