TOP TESTING SUITE Solution Brief

Your go-to solution for telecom testing

R SYSTEMS

TOP Testing Suite is an easy to use, automated test solution for end-to-end testing, evaluation and validation of telecom services that supports:

- Automation of test plans
- Reducing regression testing time from days to minutes
- Continuous testing

TOP Testing Suite enables efficient protocol and software testing, in line with Agile and DevOps practices:

- defining and managing a broad range of testing plans
- performing complex functional, load, performance, regression, stress, stability and configuration testing
- automated execution of various test types in different phases of system deployment.
- dynamic testing of various protocol servers using the black-box approach.

DIAMETER

Diameter Client and Server, with Diameter interfaces including Ro/Gy, Rf, Gx, Sy, S6a/S6d/S6c, Sh, Cx/Dx, SWx, etc.
- EAP Identity/Aka/Prime/Pseudonyms/IMSI encryption functionalities.
- Flexible Diameter dictionary.

SS7 Support

- MAP – all versions.
- CAP – all Camel phases.
- INAP – ETSI Core INAP CS-1.
- Support for both ANSI and ITU standards, at MTP, TCAP and SCCP layers.

Additional plug-ins

LDAP
Telnet/SSH
Radius
HTTP2, COAP/MQTT, FTP, SNMP, SMTP
Web Services (SOAP/HTTP)
SMPP
HTTP Server
DNS, JUnit, Selenium

VoLTE TESTING

TOP Testing Suite can simulate both Diameter and SIP signaling used in VoLTE session management. The Diameter interfaces supported on top of Base Protocol include: Cx, Dh, Dx, Gy, Gx, Rf, Ro, Rx, S6a, Sh, S9, Sy.

The SIP plugin provides connectivity to VoLTE x-CSCF elements allowing for sending SIP messages used in registration, IMS session initiation, charging and release.

New cutting-edge plug-ins

- Functional testing plug-in for Android mobile devices, enabling the automation of operators' GSM business flows.
- TCP Dump plug-in, automating the running, archiving and comparison of network captures.

Short time to market – fast, efficient and reliable validation of product changes

Wide coverage of telco protocols, allowing simulation for most of telco applications.

Up to 40% deployment cost reduction with automated testing, versus manual testing.

"R Systems TTS is an easy-to-use tool, with good documentation of features and release notes. R Systems engineers are very supportive and knowledgeable, they demonstrated professionalism and skills on many occasions. They understand our requirements and deliver expected results. Overall Sprint is very happy customer of R Systems Top Tool, keep up the good work and we expect the continued support."

Sprint USA

Contact us for an assessment of how your company can benefit from TOP Testing Suite:

✉ TTS-Support@eu.rsystems.com