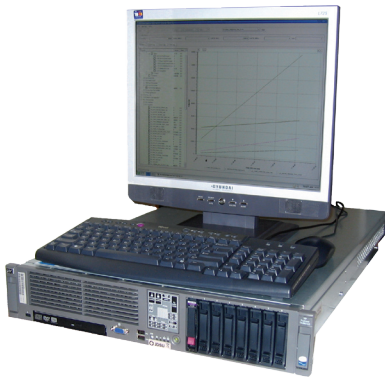


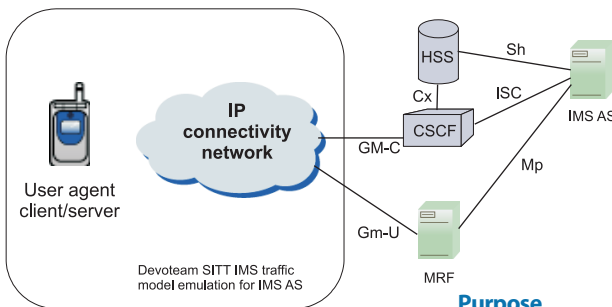
Scalable Intensive Test Tool for IMS

An easy to use IMS Load Test Generator helping to ensure Fast and Risk-Free introduction of IMS



Key features

- Simulation of up to 500 000 simultaneously registered UA Clients and Servers per unit.
- SITT-IMS reaches 500 000 User Agents in just 30 minutes.
- SITT-IMS is scalable to any number of user agents by simply adding more units.
- Performance: Up to 4000 SIP half calls per second per unit. Each UA is assigned a unique IP address, as in real life.
- SITT-IMS supports all core network procedures, including Notification, Push to Talk over Cellular, Presence, etc. Signalling Latency is also supported.
- Usability: No complex scripting or specially trained personnel is required. Statistics are presented in a clear, concise and easy to understand format.
- Useful from Day 1: SITT-IMS features built-in flexible Operator traffic models – allowing extremely quick set-up and use.
- The traffic model can be reconfigured during test execution without disturbance. Parameters are easily recognised from live networks, and are configurable in rates per second.



Architecture showing simulated components

Purpose

Devoteam's Scalable Intensive Test Tool for IMS (SITT-IMS) is a ready to go, cost effective and easy-to-use traffic load test generator ideally suited for load testing IMS networks and services with up to 500 000 users per unit in less than 30 minutes.

The purpose of SITT-IMS is to reduce time to market and deployment costs for IMS. SITT-IMS will secure efficient and risk free deployment of IMS nodes and services.

SITT-IMS is delivered with a predefined and easy to configure traffic model, allowing you to make full use of SITT-IMS from day one. A wide range of statistics is presented graphically during test runs. SITT-IMS excels in usability – there is no need for scripting or a specially trained SITT engineer, and no hidden costs.

The Interactive Subscriber feature enables you to run procedures for individual users while running background load traffic, thereby facilitating advanced troubleshooting.

User benefits

SITT-IMS is scalable to meet any capacity requirements, allowing background and maximum loads to be generated with ease in less than 30 minutes.

SITT-IMS is designed for:

- Network Equipment Manufacturers
To shorten time to market whilst securing high quality IMS services and nodes to customers using real-life Operator-focused end-to-end testing.
- Network Operators
To deliver high quality services to end users by verifying performance of new IMS nodes and the introduction of new services.

SITT-IMS is carefully designed to minimize tools costs by providing a rich number of built in test procedures – there is no need for complex scripting.

SITT-IMS provides users with complete confidence in the performance and reliability of IMS network nodes.

Test objectives

Efficient testing can only be carried out when (lab) test conditions resemble live network conditions. Real life experience shows that end to end testing with background traffic load reveals 3-5 times as many critical errors as without background load.

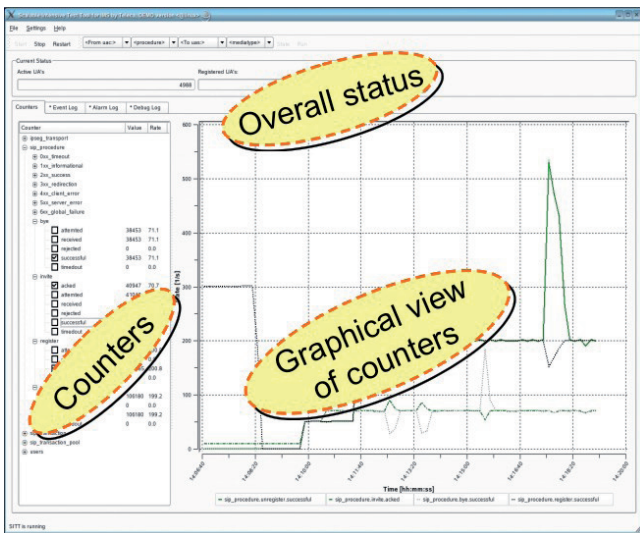
SITT-IMS should also be used for pre-migration load testing in conjunction with migration of existing customers from legacy systems to IMS.

Using SITT-IMS, critical errors occurring in the live network can be replicated in your lab, securing efficient and risk free trouble-shooting and patch integration.

SITT-IMS enables you to perform:

- Core network functionality testing
Verification of core functionality during high signalling and payload conditions.
- Service testing
Verification of new services into live networks.
- Verification of new nodes, upgrades and reconfigurations – invaluable to ensure a risk-free introduction of any changes to IMS network components.
- Load and capacity testing:
Verification of IMS network nodes during real-life and maximum load. Vital for future Capacity Planning.

Each SITT-IMS unit simulates up to 500 000 User Agent Clients and Servers in an operator network – enabling high load testing of IMS nodes.



Easy to use GUI, allowing quick, clear results

Usability

SITT-IMS offers superb usability – our experience is that many Operators and Manufacturers purchase expensive test tools that are rarely used because of their complexity and need to undergo extensive training.

Because of SITT's ease of use, our customers build the tool into their routine upgrade and network change procedures – meaning that confidence and reliability are built in from day one.

SITT-IMS features a simple, clear user interface – providing real-time user feedback. A wide range of measurements can be displayed graphically and textually.

Why choose SITT-IMS from Devoteam

Devoteam has more than 10 years unique expertise and competence within packet based networks for GSM/GPRS, EDGE, UMTS and IMS, working with both major manufacturers and global mobile Operators.

SITT-IMS has been developed based on requirements from a global operator group and our own IMS experiences working with a world leading Network Equipment Manufacturer.

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