



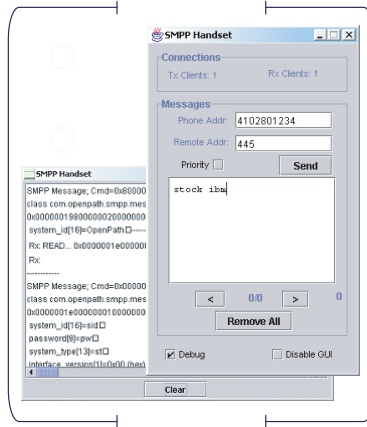
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# SMS Testing Suite

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The SMS Testing Suite is a collection of tools that support the SMS application developer, tester, or carrier. The suite features three tools that can be invaluable during the SMS development and testing process.

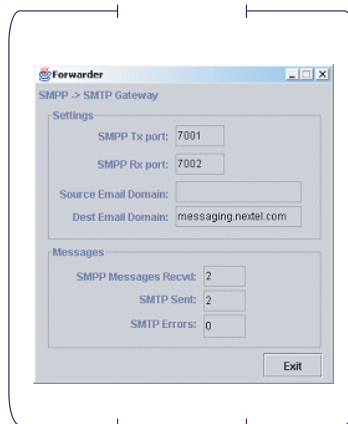
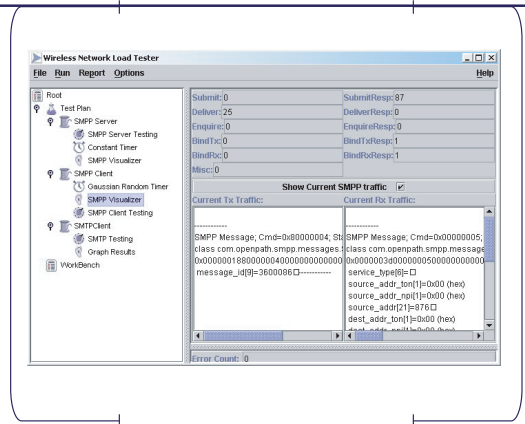


## SMPP Handset Simulator :

- Acts like an SMSC to receive client connections
- Displays Mobile-Terminated messages from your applications
- Submits Mobile-Originated messages to your applications
- Shows all incoming and outgoing protocol units
- Supports Windows, Linux, Solaris, etc.☐

## SMS Load Testing:

- Mobile-Terminated and Mobile-Originated Bulk messaging
- SMTP Client
- SMTP Server
- SMPP Client
- SMPP Server
- HTTP Client
- Create, save, and reuse test configurations
- Simulate real world traffic patterns
- Displays received SMPP PDU quantities by type
- Helps assure a flawless product launch
- Supports Windows, Linux, Solaris, etc.



## SMPP->SMTP Forwarder:

- Acts like an SMSC to receive client connections
- Forwards Mobile-Terminated messages to Email
- Test and demo with your current handset
- Demo with carriers that only support SMTP
- Provides command-line and GUI versions
- Supports Windows, Linux, Solaris, etc.



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## The SMS Testing Suite helps developers and testers to successfully create and deploy robust SMS Applications.

# SMS Testing Suite

The **SMS Testing Suite** features three tools that can be invaluable to developers and wireless carriers during the SMS development and testing process.

The **SMS Load Tester** provides facilities for testing SMPP, SMTP, and HTTP messaging. Tests can be configured to simulate 'real world' traffic patterns consisting of multiple simultaneous clients utilizing randomized traffic patterns.

As a *2-way SMTP Tester*, the tool can deliver bulk SMTP messages using multiple thread groups over regular or random intervals. It also acts as a *Mail Server* to receive SMTP messages that may be returned by the SMS application

As an *SMPP Server Tester*, the tool acts as an ESME and can deliver bulk "Submit\_SM" messages to an SMSC via multiple threads over configurable intervals. The Tester also sends "Enquire-Link" messages and rebinds if the SMPP connection fails.

As an *SMPP 3.3 Client Tester*, the tool acts as an SMSC in order to receive bind requests from SMS applications. The Tester can then send "Deliver\_SM" in bulk quantities over configurable intervals to test Mobile-Originated messaging.

As an HTTP Server Tester, the tool can deliver bulk HTTP requests via GET or Post to an HTTP server.

Test configurations can be saved and retrieved for future test runs. Testing rules are very configurable, and multiple tests can be performed simultaneously.

The **SMPP Handset Simulator** simulates the activities of a Short Message Service Center (SMSC) utilizing the Short Message Peer to Peer (SMPP) protocol. The tool enables SMPP Clients to bind, exchange 'Enquire' messages, submit mobile-terminated messages to a simulated handset, and receive mobile-originated messages from the simulated handset. The server supports Transmit, Receive, and Transceiver binding modes.

The **SMPP->SMTP Forwarder** is a useful tool for testing and demonstrating SMPP-oriented applications when a carrier's SMPP Gateway is not available. This tool acts like a 'real' SMSC in that it receives SMPP client connections and SubmitSM requests. It translates all mobile-terminated messaging requests into SMTP messages that are then submitted to an SMTP server. The result is that the SMPP protocol can be used to deliver text messages into a carrier that only offers SMTP access.

Simulate real-world traffic conditions from your desktop and deploy with confidence!