mitesterforsip_Release_Notes

Release Version 2.1

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[1] Software Details

[1.1] Software Name
mitester for SIP

[1.2] Software Platform
Java

[1.3] Software Version
Release Version 2.1

[1.4] Release Date
04.08.2009

[2] Release Package

Binaries

- mitesterforsip_v2.1_windows.zip
- mitesterforsip_v2.1_linux.zip
- mitesterforsip_v2.1_solaris.zip
- mitesterforsip_v2.1_mac.zip

Documents

- mitesterforsip_User_Guide-V2.1.pdf
- mitesterforsip_Developing_Test_Scripts-V2.1.pdf
- mitesterforsip_Architecture-V2.1.pdf
- mitesterforsip_License-V2.1.pdf

[3] Feature List

Release Version 1.0

- mitester for SIP is a tool designed and developed for easy testing of any SIP application
- mitester for SIP makes the process of development, deployment and maintenance of automated testing easy and efficient.
- mitester for SIP architectural model uses the globally accepted SIP Stack and Server programming that offers a range of constructs from simple and very high level to complex-low level interfaces to control and test every aspect of SIP call flows
- mitester for SIP works on two modes: USER mode and ADVANCED mode of call flows execution
- In USER mode of mitester for SIP, any SIP call flow can be simulated without any exceptions. Design of mitester for SIP framework includes achieving the test result from simple to complex SIP call flows irrespective of the SIP application
- In ADVANCED mode of mitester for SIP, your testing process is quicker and easier. The unique advantage of mitester for SIP is that you can automate the execution of the SIP application

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- mitester for SIP is ported to MAC and Solaris. Now mitester for SIP works on Windows, Linux, MAC and Solaris.
- Native folder and its contents have been removed from mitesterforsip folder structure.
- Implemented Backward compatibility. mitesterforsip works under both JDK1.5 & JDK1.6
- Supports Call Forking (Generating request or response messages with user-specified dialog, irrespective of the current dialog).
- Supports load testing. The test cases can be executed 'n' number of times.

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- Supports to send/receive media in both User and Advanced mode.
- Validation of headers and headers syntax are available.
- mitester can behave like both Proxy and B2BUA, independent to User and Advanced modes.
- Traversal to several screens/windows (Log Window, Call Flow Window, Normal Window, Result Window and Help Window) in console is possible, while the test execution.
- Supports to terminate the test execution in the middle and updates the test results & logs.
- Logs can be customizable. 'java.util.Logger' has been replaced with log4j hence, user can change log pattern. log4j.properties file available in the 'lib' folder of mitester package.
- Message bodies other than SDP body (ex. XML and Text body) can also be sent from the mitester server.

[4] Bugs Fixed

- 'Media', 'controller' and 'binary' packages are updated.
- 'build.xml' file is updated for resolving and build error (..../build.xml:1099: the archive doesn't exist).
- Fix is provided for null pointer exception encountered when reading media packet from the empty directory
- 'log4j.properties' is replaced with 'log4j.xml'.

[5] Known Issues / Bugs / Limitations

- Currently the mitester for SIP ADVANCED mode will yield a minor setback in consistency of Results. This inconsistency is noticed due to the SUT performance.
- No error is thrown while adding parameter name alone (without value) in the script, for those not maintained in the config file.
- No error is thrown while removing a header which is not present in the generated request / response.

[6] Things to be Noted

- **For Solaris Users:**

  After installing sip-communicator, edit the following line in "run.sh"
  Line to be modified : export PATH=$PATH:native
  Modified Line   : PATH=$PATH:native export PATH

- **For MAC Users:**

  After installing the sip-communicator, you need to add the 'Native' folder inside the installed SIP communicator folder. This should be done after installing the provided jar for MAC.
  In MAC, SIP communicator works under Java JDK 1.5 only

Note : mitester for SIP is tested on Windows XP, Ubuntu LINUX, MAC and Sun Solaris platform.