IMS Bench SIPp

This section is about a set of changes and additions to SIPp, contributed by Intel and aimed at providing an open source implementation of the IMS/NGN Performance Benchmark, ETSI specification TS 186 008.

- [Introduction](intro.html) (intro.html)
- [Reference documentation](reference.html) (reference.html)

To learn more about what it is and what it can do, please read the [Introduction](intro.html) (intro.html) . To get a really quick feel for it, here are a couple of example benchmark reports for hypothetical systems:

- Example Report with a hypothetical IMS Core as SUT
- Example Report with a hypothetical SIP proxy as SUT

To learn how to use IMS Bench SIPp and how to create scenarios that take advantage of the features it brings, please refer to the [Reference documentation](reference.html) (reference.html) .

New features and Fixes in SVN revision 591 (15-Oct-2010):

- Support for automatic re-registration of the users. The users can now be re-registerd for instance after 1/2 hour, using new <start_scen> action in registration scenarios .
- Support for Call Forwarding and VoiceMail scenarios. See new scenarios sut_fwd_A.xml, sut_fwd_B.xml and sut_fwd_C.xml
- Support for UDP Keep-Alive. See Keep Alive
- Support for generating load to multiple SUT by setting <multiple_sut> parameter to 1 within the configuration section of manager.xml;
- Support gcc-4.4 C++ stdlib changes, which changes the prototypes for many of the str*() family of functions.
- (Fix) Changed the way sipp react to 4xx messages in reply to INVITES. Content of ACK message is now based on the INVITE content, not hard-coded anymore.
- (Fix) Fixed a race condition in CManager:CheckTimeEvents which could in rare cases cause some statistics to be be incorrectly set to 0.
- (Fix) Fixed a segmentation fault when the last run of a bench is a run with a max_calls condition, and the manager is not run in full automated mode (-e switch)
- (Fix) Increased maximum number of RTD from 5 to 20
- (Fix) The test was stopped when no scenario was completed in the step, with a message "no scenario attempted in this step". The test is now stopped only if the number of attempted scenario in the step is zero. A test with attempted scenario but no successfull ones in a step would not stop for this reason (if there are failed ones, it would stop because of over-ihs). This helps with tests with small steps and very long scenarios (long call duractions for instance).

New features and Fixes in SVN revision 589 (4-Aug-2009):

- Increased system limits (e.g. number of SIPP test systems)
- Cleaned up lots of warning related to const char*. Also made parts of manager code more readable.
- (Fix) Fixed max_calls condition when used in other run than first one or in multiple runs

New features in SVN revision 587 (28-Jul-2009):

- Support for SIP traffic over TCP. SIP traffic between each SIPp instance and the System Under Test goes over a pair of TCP sockets.
- Support in the ims_bench Perl script, for scenarios without pre-registration. The script can now generate user data files suitable for tests without a pre-registration phase (e.g. for Application Server testing).