

List of Fixed Bugs in SipTK v2.2.3.2

The following issues have been fixed or added in version 2.2.3.2 since version 2.2.2.5. Each item provides a classification, fix description, list of files modified in fixing the problem, and the scope of the fix (the party interested in this fix).

	Classification	Bug Description	Files Changed	Scope
33	BUG	Controlling the TCP-dedicated task priority on Nucleus: In the Nucleus, the opening and closing of the TCP connection is handled by a dedicated task. To control the priority of that task, you can set the processingTaskPriority configuration parameter to X and the dedicated TCP task will have the priority of X-1.	RvSipStack.c unix\LI_API.c unix\LI_API.h LI_InternalDef.h	Nucleus users
32	FEATURE	Enabled receiving a Data header without the day portion (The "Mon", "Tue", "Wed"...). This makes the parser softer.	RvSipDateHeader.c, ParserExpress.h, ParserExpress2.h	Everyone
31	FEATURE	Enabled compilation for NUCLEUS ARM users. The flag __ARM__ was added.	unix/LI_API.c, unix/LI_API.h, unix/LI_DNS_API.c, unix/LI_SOCKETS.h, LOCK_API.c, PRINT_API.c, SELI_API.c	NUCLEUS ARM users
30	BUG	When a NOTIFY for a REFER request did not include an ID parameter in the Event header, the Stack rejected the NOTIFY. This was fixed. Now the event does not need to include the ID parameter.	CallLegRefer.c	Everyone
29	BUG	Fixed routing rules for provisional response. Now a route list is built for the first received provisional (other than 100), even if the provisional is not reliable. This list is replaced with the Record-Route list from the 2xx response.	CallLegMsgEv.c, CallLegRouteList.c, CallLegRouteList.h	Everyone
28	BUG	When a CANCEL was received or sent, the Invite transaction that was cancelled was not locked. This was fixed.	TransactionControl.c, TransactionMsgReceived.c, TransactionState.c, TransactionState.h	Multithreaded applications.
27	BUG	Fixed code that changes strings that were given as API parameters so that the string will not be touched by the function. This caused a crash when the string was a literal.	CallLegRefer.c, RvSipCallLeg.c	Everyone

26	BUG	Several fixes to prevent dead locks - 1. A transaction is now removed from the hash and from the manager list in one atomic step (before that the manager was unlocked between the two steps). 2. After the transaction is locked we verify that it used the correct lock. This will prevent handling a retransmission before the initial request was handled.	TransactionObject.c	Multithreaded applications.
25	BUG	A Reg-Client did not terminate all its transactions on termination. When such a transaction terminated after the Reg-client, it caused a crash since the transaction tried to use resources of the Reg-Client that were already freed.	RvSipRegClient.c	Everyone
24	BUG	Added a lock on the list that keeps terminated objects that failed to be inserted into the event queue due to being out of resources. There was one place where this lock was missing. This caused an event to be inserted into the queue twice. The bug happens when working in multithreaded mode with stress scenarios.	_SipTransportMgr.c	Multithreaded applications.
23	BUG	When a transaction was created, it was inserted into the hash before the top Via was updated in the transaction. When a retransmission arrived before the Via was updated, it did not find the transaction in the hash since the Via was not updated. This was fixed. The bug happens when working in multithreaded mode with stress scenarios.	_SipTransactionMgr.c, TransactionMsgReceived.c	Multithreaded applications.
22	FEATURE	Enabled a Reg-Client object to generate its own call-ID and maintain its own CSeq. This is to support multi-line phones that can register with different call-IDs.	RvSipRegClient.c RvSipRegClient.h RegClientObject.c RegClientObject.h, _SipRegClientMgr.c	
21	BUG	RTP bug fix —the problem in the function rtpDtmfEventPack() was fixed. The DTMF was not packed correctly.	payload.c, payload.h	Application that send DTMF according to RFC 2833
20	BUG	Parser fix--When the received "qop" of an Authentication header was qop="auth, auth-int", the parser crashed because of the uninitialized parameter. This was fixed.	ParserExpress.h ParserExpress2.h	Everyone
19	BUG	Added 202 and 489 response codes to the list of response codes the into which the Stack inserts a default reason phrase.	RvSipMsg.c	Everyone
18	FEATURE	Changed the internal implementation of LI_GetHostAddrs for UNIX systems. The first time the function is called, it will keep the results in a static variable and will use it as a return value for further calls.	unix/LI_API.c	Everyone
17	BUG	Fix for Nucleus - In the function li_task().	unix/LI_API.c	Nucleus users
16	BUG	Fix for Nucleus--removed the RV_MEM_NUCLEUS and RV_SOCKETS_NUCLEUS flags and replaced it with the regular __NUCLEUS__ flag.	UTILS_Memory.c, UTILS_Memory.h, SELI_API.c	Nucleus users

15	BUG	Fix in the function RPOOL_Align. In some cases the function did not align the page correctly.	rpool.c	Everyone
14	BUG	High availability--When the saved callLeg had an outbound message and this message was saved, a temporary page that was allocated was never freed. This was fixed.	CallLegHighAvailability.c	Applications that implements high availability
13	BUG	When the application terminated a call in the TERMINATED state, the callLeg was never unlocked.	RvSipCallLeg.c	Multithreaded applications.
12	BUG	In some Oses there was an alignment problem when the received buffer was used as a structure.	CallLegHighAvailability.c	High availability on Solaris
11	BUG	Added locking when freeing a subscription object.	_SipCallLeg.c, SubsObject.c	application that implement subscriptions
10	FEATURE	Enables setting a reason phrase in Reject messages from the callLeg/subscription/Reg-Client layer using the outbound message mechanism.	TransactionObject.c	Everyone
9	BUG	When the function SubsNotifyCreate failed it did not free allocated resources.	SubsNotify.c	Applications that implement subscriptions.
8	BUG	Fixed the function Seli_NotifyThread--for Nucleus ARM users.	unix\SELI_API.c	Nucleus ARM applications.
7	BUG	The function RvSipCallLegTranscCreate was never unlocked in case of failure.	RvSipCallLeg.c	Everyone
6	FEATURE	Enabled the usage of outbound message for CANCEL requests.	CallLegSession.c, TransactionControl.c	
5	BUG	Added locking when adding/removing elements from internal objects list (such as transaction list in the callLeg).	CallLegObject.c, _SipSubs.c, SubsNotify.c, SubsObject.c, TransactionObject.c, TransactionTransport.c, _SipTransport.c, TransportTCP.c	Multithreaded applications.
4	BUG	The subscription module did not enable the expiration value of a subscription to be zero.	RvSipSubscription.c, SubsObject.c	Applications that implement subscriptions.
3	BUG	Reg-Client did not enable the usage of outbound messages since it didn't have the message pool.	RvSipStack.c	Applications that use the outbound message in reg-client module.
2	BUG	Bug in the function TIMER_RemainingTime(). In multithreaded environment, while working in stress, the Stack entered the select with a large (negative) number.	unix\TIMER_API.c	Unix Multi-threaded applications

1	BUG	When a received a Notify with bad Cseq, the reject was sent automatically and the subscription module was not informed. Now the callLeg will inform the subscription module and will not change state for hidden callLegs.	CallLegTranscEv.c, _SipSubs.c, _SipSubs.h	applications that implement subscriptions.
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STANDARD	SIP Definition corrected
BUG	Bug fix in the code or the test application
CRASH	Crash occurred because of this bug
RESOURCE	Resource of the Stack leaked
PACKAGE	Bug was in the way the package was archived or supplied
FEATURE	Added feature to the version that wasn't included previously