

## List of Fixed Bugs in the Latest Released Patch of the SIP Toolkit v3.0

The following issues have been fixed or added since version 3.0.5.1. Each item provides a classification, a fix description, a list of files modified in fixing the problem and the scope of the fix (the party interested in this fix).

No.	Classification	Bug Description	Files Changed	Scope
9	<b>FEATURE</b>	Enabling the underscore ( _ )character in host names. (This is not allowed by RFC 3261 but appears to be in use by several vendors).	ParserExpress.h, ParserExpress2.h	Everyone
8	<b>CRASH</b>	For some openSSL versions, examining a certificate without a subjectAltName field might cause an exception. An extra validation check was added to resolve this issue.	rvtls.c	TLS users
7	<b>BUG</b>	If a re-INVITE was received before an ACK was sent for a previously initiated re-INVITE, an invalid transition occurred in the re-INVITE state machine. This was fixed and a second such re-INVITE is now rejected with a 491 response.	CallLegTranscEv.c	Everyone
6	<b>CRASH</b>	The Stack assumed that the Content-Length string is no longer than 20 characters. If the Content-Length that was received was bigger than this, the Stack crashed. This was fixed.	TransportMsgBuilder.c	Everyone
5	<b>BUG</b>	The reasons supplied with the message send failure state of the subscription were not correct. This was fixed.	_SipSubs.c	Everyone
4	<b>FEATURE</b>	A function was added to determine whether or not a transaction is a proxy transaction.	RvSipTransaction.c, RvSipTransaction.h	Proxy applications
3	<b>FEATURE</b>	Compact Form support for Call-ID and Content-Length header was added.	_SipMsg.c, _SipMsg.h, MsgTypes.h, RvSipMsg.c, RvSipMsg.h, ParserProcess.c, ParserProcess.h, ParserExpress.h, ParserExpress2.h,	Everyone

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2	<b>BUG</b>	Timer roll over problem: The SIP Stack handles the time in milliseconds, stored in 32 bits. There is a problem of rollover, when the number of milliseconds is greater than 0xffffffff. In this case, the timer overlapped. The Stack maintains a list with all the timers that were set. The top of the list is the nearest timer. When there is a rollover, the stack Needs to know that a value of 0x00000001 is bigger than 0xffffffff0 and that 0xffffffff0 should expire first. This ability was added in this version.	windows/TIMER_API.c	Windows users
1	<b>BUG</b>	The warm restart problem was fixed for Nucleus.	unix/LI_API.c unix/SELI_API.c, unix/THREADS.c, unix/THREADS_API.h	Nucleus users

<b>STANDARD</b>	SIP Definition corrected
<b>BUG</b>	Bug fix in the code or the test application
<b>CRASH</b>	Crash occurred because of this bug
<b>RESOURCES</b>	Resource of the Stack leaked
<b>PACKAGE</b>	Bug was in the way the package was archived or supplied
<b>COMPILATION</b>	Compilation problems.
<b>FEATURE</b>	Added feature to the version that wasn't included previously

**Note** For updated information on known bugs and patches please visit the Technology Business Unit Customer Support section in the RADVISION Web site ([www.radvision.com](http://www.radvision.com)), or contact Customer Support directly.