Robotics Service Bus - Bug #404

Problems when two shared libs in the same binary try to access the UnambiguousConverterMap 07/04/2011 03:05 PM - D. Klotz

Status:	Closed	Start date:	07/04/2011
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	C++	Estimated time:	0.00 hour
Target version:			
Description			
There seems to I	be a problem when you have a bina	ry that e.g. loads two shared librarie	s that both try to access the converter map,
which leads to ar	n exception "type mismatch in get fo	or `converters':	
requested:rsb::co	onverter::UnambiguousConverterMa	ap <std::string>; actual: rsb::converte</std::string>	r::UnambiguousConverterMap <std::string>".</std::string>
In my case, the p	problem occurs when both the RSB	AudioSender and the RSBVideoSen	der are loaded as shared libraries in the
NaoQi process o	n the robot and both try to access t	ne converter map.	
Since it works wh	nen only one of the two RSB*Sende	r modules is loaded (regardless whi	ch one), it is probably not a problem with the
	-		pected. The problem could be related to the
		-	both shared libraries, which leads to two
versions of the s	ame class existing in the same bina	ry.	
Unfortunately i cu	urrently don't have a simple testcas	e with this setup (two shared librarie	s using RSB and the converters in one
-	•	• •	e running on Nao, but more or less a general
C++ problem.	,		
·	trace from my original mail to Johar	nnes and Jan, which is taken directly	from the robot, so there are unfortunately
Here is the stack	trace from my original mail to Johar aries without debugging-symbols inv	-	from the robot, so there are unfortunately
Here is the stack quite a lot of libra	aries without debugging-symbols inv	-	from the robot, so there are unfortunately
Here is the stack quite a lot of libra [New Thread	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)]	volved:	from the robot, so there are unfortunately
Here is the stack quite a lot of libra [New Thread properties: ty	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters':	rolved:	from the robot, so there are unfortunately
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std:< td=""><td>rolved: requested: :string>; actual:</td><td>from the robot, so there are unfortunately</td></std:<>	rolved: requested: :string>; actual:	from the robot, so there are unfortunately
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte rsb::converte	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std:< td=""><td>rolved: requested: :string>; actual:</td><td>from the robot, so there are unfortunately</td></std:<></std: 	rolved: requested: :string>; actual:	from the robot, so there are unfortunately
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte rsb::converte terminate call	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of</std: </std: 	rolved: requested: :string>; actual:	from the robot, so there are unfortunately
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte rsb::converte terminate call 'rsc::patterns	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std:< td=""><td>rolved: requested: :string>; actual:</td><td>from the robot, so there are unfortunately</td></std:<></std: 	rolved: requested: :string>; actual:	from the robot, so there are unfortunately
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte rsb::converte terminate call 'rsc::patterns: what():	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError'</std: </std: 	rolved: requested: :string>; actual: :string>	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte rsb::converte terminate call 'rsc::patterns: what(): boost::except	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError'</std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo< td=""><td></td></boo<>	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte rsb::converte terminate call 'rsc::patterns: what(): boost::except	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError'</std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo< td=""><td></td></boo<>	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo< td=""><td></td></boo<>	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep_any_cast: conversion="" failed="" using<br="">eived signal SIGABRT, Aborted.</boost::excep_any_cast:></std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo< td=""><td></td></boo<>	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo< td=""><td></td></boo<>	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using eived signal SIGABRT, Aborted. Thread 0xa70e5b90 (LWP 2347)]</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo< td=""><td></td></boo<>	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to 0xb745346a (gdb) bt	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using eived signal SIGABRT, Aborted. Thread 0xa70e5b90 (LWP 2347)]</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo< td=""><td></td></boo<>	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to 0xb745346a (gdb) bt #0 0xb74534	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::exce _any_cast: failed conversion using eived signal SIGABRT, Aborted. Thread 0xa70e5b90 (LWP 2347)] in raise () from /lib/libc.so.6</boost::exce </std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo< td=""><td></td></boo<>	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to 0xb745346a (gdb) bt #0 0xb74534	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using eived signal SIGABRT, Aborted. Thread 0xa70e5b90 (LWP 2347)] in raise () from /lib/libc.so.6</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo boost::any_cast</boo 	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to 0xb745346a (gdb) bt #0 0xb74534	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using eived signal SIGABRT, Aborted. Thread 0xa70e5b90 (LWP 2347)] in raise () from /lib/libc.so.6 ae1 in abort () from /lib/libc.so.6 a ingnu_cxx::_verbose_termina</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo boost::any_cast</boo 	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to 0xb745346a (gdb) bt #0 0xb74534 #1 0xb7454a #2 0xb7faf8f /usr/lib/libstdo	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using eived signal SIGABRT, Aborted. Thread 0xa70e5b90 (LWP 2347)] in raise () from /lib/libc.so.6 ae1 in abort () from /lib/libc.so.6 a ingnu_cxx::_verbose_termina</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> ption_detail::error_info_injector <boo boost::any_cast tte_handler() () from</boo 	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to 0xb745346a (gdb) bt #0 0xb74534 #1 0xb7454a #2 0xb7faf8f /usr/lib/libstdo #3 0xb7fade	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using eived signal SIGABRT, Aborted. Thread 0xa70e5b90 (LWP 2347)] in raise () from /lib/libc.so.6 a6a in raise () from /lib/libc.so.6 a ingnu_cxx::_verbose_termina c++.so.6</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> btion_detail::error_info_injector <boo boost::any_cast tte_handler() () from .6</boo 	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to 0xb745346a (gdb) bt #0 0xb745346a (gdb) bt #1 0xb7454a #2 0xb7faf8f /usr/lib/libstdc #3 0xb7fade	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using eived signal SIGABRT, Aborted. Thread 0xa70e5b90 (LWP 2347)] in raise () from /lib/libc.so.6 ae1 in abort () from /lib/libc.so.6 a ingnu_cxx::_verbose_termina c++.so.6 0a in ?? () from /usr/lib/libstdc++.so</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> btion_detail::error_info_injector <boo boost::any_cast tte_handler() () from .6 /libstdc++.so.6</boo 	
Here is the stack quite a lot of libra [New Thread properties: ty rsb::converte rsb::converte terminate call 'rsc::patterns: what(): boost::except >: boost::bad Program rece [Switching to 0xb745346a (gdb) bt #0 0xb74534 #1 0xb7454a #2 0xb7fa8f /usr/lib/libstdo #3 0xb7fade #4 0xb7fade	aries without debugging-symbols inv 0xa70e5b90 (LWP 2347)] pe mismatch in get for `converters': r::UnambiguousConverterMap <std: r::UnambiguousConverterMap<std: led after throwing an instance of ::ConstructError' tion_detail::clone_impl<boost::excep _any_cast: failed conversion using eived signal SIGABRT, Aborted. Thread 0xa70e5b90 (LWP 2347)] in raise () from /lib/libc.so.6 ae1 in abort () from /lib/libc.so.6 a ingnu_cxx::verbose_termina c++.so.6 0a in ?? () from /usr/lib/libstdc++.so 39 in std::terminate() () from /usr/lib</boost::excep </std: </std: 	rolved: requested: :string>; actual: :string> btion_detail::error_info_injector <boo boost::any_cast tte_handler() () from .6 /libstdc++.so.6 stdc++.so.6</boo 	

rsc::runtime::Properties const&) () from /home/nao/naoqi/lib/naoqi/librsbvideosender.so #7 0xaa87b4c8 in rsb::Informer<AL::ALImage>::Ptr rsb::Factory::createInformer<AL::ALImage>(rsb::Scope const&, rsb::ParticipantConfig const&, std::string const&) () from /home/nao/naoqi/lib/naoqi/librsbvideosender.so #8 0xaa872629 in RsbVideoSender::sendThread() () from /home/nao/naoqi/lib/naoqi/librsbvideosender.so #9 0xaa872e5e in boost::detail::thread_data<boost::_bi::bind_t<void, boost::_mfi::mf0<void, RsbVideoSender>, boost::_bi::list1<boost::_bi::value<RsbVideoSender*> > >::run() () from /home/nao/naoqi/lib/naoqi/librsbvideosender.so #10 0xb7eeba73 in thread_proxy () from /usr/lib/libboost_thread-mt.so #11 0xb7726c9f in start_thread () from /lib/libpthread.so.0 #12 0xb74e99be in clone () from /lib/libc.so.6

History

#1 - 04/19/2012 05:26 PM - J. Wienke

Is this still an issue? Otherwise we could simply close this until it appears again.

#2 - 04/19/2012 06:09 PM - D. Klotz

- Status changed from New to Closed

We managed to get both audio- and video-senders (and even more RSB-using modules) to be loaded as local modules (i.e. shared libraries loaded by the NaoQi process) in parallel during the Vernissage recordings, so it doesn't seem to be a problem any more. Closing this until we stumble upon it again.