

Robotics Service Bus - Bug #1546

Socket server dies because of incomplete message body

06/21/2013 08:50 AM - J. Wienke

Status:	Resolved	Start date:	09/20/2012
Priority:	High	Due date:	
Assignee:	J. Moringen	% Done:	0%
Category:	C++	Estimated time:	0.00 hour
Target version:	rsb-0.9		

Description

NAO is sending images and a program

```
humavips@HUMAVIPS:~/work$ ~/work/RSB-0.7/bin/rsb_videoreceiver
```

```
1348146353274 rsb.transport.socket.BusServer [WARN]: Send failure (Connection reset by peer); will close connection later
```

```
1348146353276 rsb.transport.socket.BusServer [WARN]: Send failure (Connection reset by peer); will close connection later
```

```
1348146353280 rsb.transport.socket.BusConnection [WARN]: Receive failure (error asio.misc:2) or incomplete message body (received 25341 bytes); closing connection
```

```
1348146353291 rsb.transport.socket.BusConnection [WARN]: Receive failure (error asio.misc:2) or incomplete message body (received 510 bytes); closing connection
```

Segmentation fault

```
0x00007ffff5c0956b in std::string::assign(std::string const&) () from /usr/lib/x86_64-linux-gnu/libstdc++.so.6
```

(gdb) bt

```
#0 0x00007ffff5c0956b in std::string::assign(std::string const&) () from /usr/lib/x86_64-linux-gnu/libstdc++.so.6
```

```
#1 0x00007ffff77f8a09 in rsb::protocol::Notification::set_data(std::string const&) () from /usr/lib/librsbcore.so.0.7.3
```

```
#2 0x00007ffff78873d3 in rsb::transport::socket::eventToNotification(rsb::protocol::Notification&, boost::shared_ptr<rsb::Event> const&, std::string const&, std::string const&) () from /usr/lib/librsbcore.so.0.7.3
```

```
#3 0x00007ffff7855e82 in rsb::transport::socket::BusConnection::sendEvent(boost::shared_ptr<rsb::Event>, std::string const&) () from /usr/lib/librsbcore.so.0.7.3
```

```
#4 0x00007ffff786b2ea in rsb::transport::socket::BusServer::handleIncoming(boost::shared_ptr<rsb::Event>, boost::shared_ptr<rsb::transport::socket::BusConnection>) () from /usr/lib/librsbcore.so.0.7.3
```

```
#5 0x00007ffff7856c0b in rsb::transport::socket::BusConnection::handleReadBody(boost::system::error_code const&, unsigned long, unsigned long) () from /usr/lib/librsbcore.so.0.7.3
```

```
#6 0x00007ffff78602b1 in void boost::_mfi::mf3<void, rsb::transport::socket::BusConnection, boost::system::error_code const&, unsigned long, unsigned long>::call<boost::shared_ptr<rsb::transport::socket::BusConnection>, boost::system::error_code const, unsigned long, unsigned long>(boost::shared_ptr<rsb::transport::socket::BusConnection>&, void const*, boost::system::error_code const&, unsigned long&, unsigned long&) const () from /usr/lib/librsbcore.so.0.7.3
```

```
#7 0x00007ffff785ff08 in void boost::_mfi::mf3<void, rsb::transport::socket::BusConnection, boost::system::error_code const&, unsigned long, unsigned long>::operator()<boost::shared_ptr<rsb::transport::socket::BusConnection>>(boost::shared_ptr<rsb::transport::socket::BusConnection>&, boost::system::error_code const&, unsigned long, unsigned long) const () from /usr/lib/librsbcore.so.0.7.3
```

```
#8 0x00007ffff785f647 in void boost::_bi::list4<boost::_bi::value<boost::shared_ptr<rsb::transport::socket::BusConnection>>, boost::arg<1> (*), boost::arg<2> (*), boost::_bi::value<unsigned int>>::operator()<boost::_mfi::mf3<void, rsb::transport::socket::BusConnection, boost::system::error_code const&, unsigned long, unsigned long>, boost::_bi::list2<boost::system::error_code const&, unsigned long const&>>(boost::_bi::type<void>, boost::_mfi::mf3<void, rsb::transport::socket::BusConnection, boost::system::error_code const&, unsigned long, unsigned long>&, boost::_bi::list2<boost::system::error_code const&, unsigned long const&>&, int) () from /usr/lib/librsbcore.so.0.7.3
```

```
#9 0x00007ffff785f194 in void boost::_bi::bind_t<void, boost::_mfi::mf3<void, rsb::transport::socket::BusConnection, boost::system::error_code const&, unsigned long, unsigned long>, boost::_bi::list4<boost::_bi::value<boost::shared_ptr<rsb::transport::socket::BusConnection>>, boost::arg<1> (*),
```



```

boost::arg<2> (*)(), boost::_bi::value<unsigned int> > >, boost::system::error_code, unsigned long>,
boost::asio::basic_stream_socket<boost::asio::ip::tcp, boost::asio::stream_socket_service<boost::asio::ip::tcp> >,
boost::asio::mutable_buffers_1, boost::asio::detail::transfer_all_t, boost::_bi::bind_t<void, boost::_mfi::mf3<void,
rsb::transport::socket::BusConnection, boost::system::error_code const&, unsigned long, unsigned long>,
boost::_bi::list4<boost::_bi::value<boost::shared_ptr<rsb::transport::socket::BusConnection> >, boost::arg<1> (*)(),
boost::arg<2> (*)(), boost::_bi::value<unsigned int> > > >
>(boost::asio::detail::binder2<boost::asio::detail::read_op<boost::asio::basic_stream_socket<boost::asio::ip::tcp,
boost::asio::stream_socket_service<boost::asio::ip::tcp> >, boost::asio::mutable_buffers_1, boost::asio::detail::transfer_all_t,
boost::asio::detail::transfer_all_t, boost::_bi::bind_t<void, boost::_mfi::mf3<void, rsb::transport::socket::BusConnection,
boost::system::error_code const&, unsigned long, unsigned long>, boost::_bi::list4<boost::_bi::value<boost::shared_ptr<rsb::transport::socket::BusConnection>
>, boost::arg<1> (*)(), boost::arg<2> (*)(), boost::_bi::value<unsigned int> > > >*) () from /usr/lib/librsbcore.so.0.7.3
#15 0x00007ffff7860d03 in void
boost_asio_handler_invoke_helpers::invoke<boost::asio::detail::binder2<boost::asio::detail::read_op<boost::asio::basic_stream_socket<boost::asio::ip::tcp,
boost::asio::stream_socket_service<boost::asio::ip::tcp> >, boost::asio::mutable_buffers_1,
boost::asio::detail::transfer_all_t, boost::_bi::bind_t<void, boost::_mfi::mf3<void, rsb::transport::socket::BusConnection,
boost::system::error_code const&, unsigned long, unsigned long>, boost::_bi::list4<boost::_bi::value<boost::shared_ptr<rsb::transport::socket::BusConnection>
>, boost::arg<1> (*)(), boost::arg<2> (*)(), boost::_bi::value<unsigned int> > > >
>(boost::asio::detail::binder2<boost::asio::detail::read_op<boost::asio::basic_stream_socket<boost::asio::ip::tcp,
boost::asio::stream_socket_service<boost::asio::ip::tcp> >, boost::asio::mutable_buffers_1, boost::asio::detail::transfer_all_t,
boost::_bi::bind_t<void, boost::_mfi::mf3<void, rsb::transport::socket::BusConnection, boost::system::error_code const&,
unsigned long, unsigned long>, boost::_bi::list4<boost::_bi::value<boost::shared_ptr<rsb::transport::socket::BusConnection>
>, boost::arg<1> (*)(), boost::arg<2> (*)(), boost::_bi::value<unsigned int> > > >, boost::system::error_code, unsigned long>
const&, boost::asio::detail::read_op<boost::asio::basic_stream_socket<boost::asio::ip::tcp,
boost::asio::stream_socket_service<boost::asio::ip::tcp> >, boost::asio::mutable_buffers_1, boost::asio::detail::transfer_all_t,
boost::_bi::bind_t<void, boost::_mfi::mf3<void, rsb::transport::socket::BusConnection, boost::system::error_code const&,
unsigned long, unsigned long>, boost::_bi::list4<boost::_bi::value<boost::shared_ptr<rsb::transport::socket::BusConnection>
>, boost::arg<1> (*)(), boost::arg<2> (*)(), boost::_bi::value<unsigned int> > > >&) () from /usr/lib/librsbcore.so.0.7.3
#16 0x00007ffff7860a07 in boost::asio::detail::reactive_socket_recv_op<boost::asio::mutable_buffers_1,
boost::asio::detail::read_op<boost::asio::basic_stream_socket<boost::asio::ip::tcp,
boost::asio::stream_socket_service<boost::asio::ip::tcp> >, boost::asio::mutable_buffers_1, boost::asio::detail::transfer_all_t,
boost::_bi::bind_t<void, boost::_mfi::mf3<void, rsb::transport::socket::BusConnection, boost::system::error_code const&,
unsigned long, unsigned long>, boost::_bi::list4<boost::_bi::value<boost::shared_ptr<rsb::transport::socket::BusConnection>
>, boost::arg<1> (*)(), boost::arg<2> (*)(), boost::_bi::value<unsigned int> > > >
>::do_complete(boost::asio::detail::task_io_service*, boost::asio::detail::task_io_service_operation*,
boost::system::error_code, unsigned long) ()
    from /usr/lib/librsbcore.so.0.7.3
#17 0x00007ffff78739a3 in boost::asio::detail::task_io_service::complete(boost::asio::detail::task_io_service&) () from
/usr/lib/librsbcore.so.0.7.3
#18 0x00007ffff78744a3 in
boost::asio::detail::task_io_service::do_one(boost::asio::detail::scoped_lock<boost::asio::detail::posix_mutex&&,

```

```

boost::asio::detail::task_io_service::idle_thread_info* ()
  from /usr/lib/librsbcore.so.0.7.3
#19 0x00007ffff78741bc in boost::asio::detail::task_io_service::run(boost::system::error_code&) () from
/usr/lib/librsbcore.so.0.7.3
#20 0x00007ffff787479f in boost::asio::io_service::run() () from /usr/lib/librsbcore.so.0.7.3
#21 0x00007ffff787ea9e in boost::_mfi::mf0<unsigned long, boost::asio::io_service>::operator()(boost::asio::io_service*) const
() from /usr/lib/librsbcore.so.0.7.3
#22 0x00007ffff787ea0f in unsigned long boost::_bi::list1<boost::_bi::value<boost::asio::io_service*> >::operator()<unsigned
long, boost::_mfi::mf0<unsigned long, boost::asio::io_service>, boost::_bi::list0>(boost::_bi::type<unsigned long>,
boost::_mfi::mf0<unsigned long, boost::asio::io_service>&, boost::_bi::list0&, long) () from /usr/lib/librsbcore.so.0.7.3
#23 0x00007ffff787e9bd in boost::_bi::bind_t<unsigned long, boost::_mfi::mf0<unsigned long, boost::asio::io_service>,
boost::_bi::list1<boost::_bi::value<boost::asio::io_service*> > >::operator()() ()
  from /usr/lib/librsbcore.so.0.7.3
#24 0x00007ffff787e868 in boost::detail::thread_data<boost::_bi::bind_t<unsigned long, boost::_mfi::mf0<unsigned long,
boost::asio::io_service>, boost::_bi::list1<boost::_bi::value<boost::asio::io_service*> > >::run() () from
/usr/lib/librsbcore.so.0.7.3
#25 0x00007ffff6e82ba9 in thread_proxy () from /usr/lib/libboost_thread.so.1.46.1
#26 0x00007ffff6c60efc in start_thread () from /lib/x86_64-linux-gnu/libpthread.so.0
#27 0x00007ffff569159d in clone () from /lib/x86_64-linux-gnu/libc.so.6
#28 0x0000000000000000 in ?? ()

```

(gdb) info threads

Id	Target Id	Frame
17	Thread 0x7ffffde390700 (LWP 19940)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
16	Thread 0x7ffffdeb91700 (LWP 19939)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
15	Thread 0x7ffffdf392700 (LWP 19938)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
14	Thread 0x7ffffdfb93700 (LWP 19937)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
13	Thread 0x7ffffe0394700 (LWP 19936)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
12	Thread 0x7ffffe0b95700 (LWP 19935)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
11	Thread 0x7ffffe1396700 (LWP 19934)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
10	Thread 0x7ffffe1b97700 (LWP 19933)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
9	Thread 0x7ffffe2398700 (LWP 19932)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
8	Thread 0x7ffffe2b99700 (LWP 19931)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
7	Thread 0x7ffffe339a700 (LWP 19930)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
6	Thread 0x7ffffe3b9b700 (LWP 19929)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
5	Thread 0x7ffffe439c700 (LWP 19928)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
4	Thread 0x7ffffe4b9d700 (LWP 19927)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0
3	Thread 0x7ffffe539e700 (LWP 19926)	"rsb_videoreceiv" 0x00007ffff6c6504c in pthread_cond_wait@@GLIBC_2.3.2 () from /lib/x86_64-linux-gnu/libpthread.so.0

/lib/x86_64-linux-gnu/libpthread.so.0

* 2 Thread 0x7ffe5b9f700 (LWP 19925) "rsb_videoreceiv" 0x00007ffff5c0956b in std::string::assign(std::string const&) () from /usr/lib/x86_64-linux-gnu/libstdc++.so.6

1 Thread 0x7fff7fa5960 (LWP 19922) "rsb_videoreceiv" 0x00007ffff5c20e93 in ?? () from /usr/lib/x86_64-linux-gnu/libstdc++.so.6

Related issues:

Copied from Robotics Service Bus - Bug # 1173: Socket server dies because of ...

Resolved

09/20/2012