

Robotics Service Bus - Bug #1582

Socket transport seems to damage transfered byte sequences

07/31/2013 10:43 AM - J. Wienke

Status:	Closed	Start date:	07/31/2013
Priority:	Normal	Due date:	
Assignee:	J. Wienke	% Done:	100%
Category:	Java	Estimated time:	0.00 hour
Target version:	rsb-0.9		

Description

I observed several errors in protobuf deserialization, e.g. like this one

WARNING: Error while reading a new notification from the bus connection. Shutting down. Most likely this is actually desired.
com.google.protobuf.InvalidProtocolBufferException: While parsing a protocol message, the input ended unexpectedly in the middle of a field. This could mean either than the input has been truncated or that an embedded message misreported its own length.

```
at com.google.protobuf.InvalidProtocolBufferException.truncatedMessage(Unknown Source)
at com.google.protobuf.CodedInputStream.readRawBytes(Unknown Source)
at com.google.protobuf.CodedInputStream.readBytes(Unknown Source)
at com.google.protobuf.UnknownFieldSet$Builder.mergeFieldFrom(Unknown Source)
at com.google.protobuf.UnknownFieldSet$Builder.mergeFrom(Unknown Source)
at com.google.protobuf.UnknownFieldSet$Builder.mergeFrom(Unknown Source)
at com.google.protobuf.UnknownFieldSet$Builder.mergeFrom(Unknown Source)
at com.google.protobuf.CodedInputStream.readGroup(Unknown Source)
at com.google.protobuf.UnknownFieldSet$Builder.mergeFieldFrom(Unknown Source)
at com.google.protobuf.GeneratedMessage$Builder.parseUnknownField(Unknown Source)
at rsb.protocol.NotificationType$Notification$Builder.mergeFrom(NotificationType.java:600)
at rsb.protocol.NotificationType$Notification$Builder.mergeFrom(NotificationType.java:357)
at com.google.protobuf.AbstractMessage$Builder.mergeFrom(Unknown Source)
at com.google.protobuf.AbstractMessage$Builder.mergeFrom(Unknown Source)
at com.google.protobuf.AbstractMessageLite$Builder.mergeFrom(Unknown Source)
at com.google.protobuf.AbstractMessage$Builder.mergeFrom(Unknown Source)
at com.google.protobuf.AbstractMessage$Builder.mergeFrom(Unknown Source)
at com.google.protobuf.AbstractMessageLite$Builder.mergeFrom(Unknown Source)
at com.google.protobuf.AbstractMessage$Builder.mergeFrom(Unknown Source)
at rsb.protocol.NotificationType$Notification.parseFrom(NotificationType.java:291)
at rsb.transport.socket.BusConnectionBase.readNotification(BusConnectionBase.java:175)
at rsb.transport.socket.BusBase$ReceiveThread.run(BusBase.java:110)
```

This seemed to be related to some remaining half-dead processes in the background.

History

#1 - 07/31/2013 04:32 PM - J. Wienke

- Description updated

#2 - 08/01/2013 04:57 PM - J. Wienke

- Status changed from New to Closed

- % Done changed from 0 to 100

This might be fixed now as we have fixed a possible race condition for sending notifications. Here, two sending threads could lead to interleaved sequences of length+data packages.