

Robotics Service Bus - Feature #403

Check if explicit Typeinfo representation is necessary

07/04/2011 12:51 PM - S. Wrede

Status:	Resolved	Start date:	07/04/2011
Priority:	High	Due date:	
Assignee:	S. Wrede	% Done:	100%
Category:	Java	Estimated time:	0.00 hour
Target version:	0.4		
Description			
Stringlified encoding of types in Events and Converters feels broken in Java.			
Probably, we can just remove it?			

History

#1 - 07/04/2011 01:17 PM - J. Wienke

If there always was an IDL, we could resolve a name automatically from the definition of the IDL. But what would be the solution for hand-crafted protocols?

#2 - 07/20/2011 11:38 PM - S. Wrede

This ticket is about the client-side API and the converter selection within Java. So, if a user writes a converter, he writes this for a programming language type within Java that can be easily accessed with `Class.getName()`. However, until now all the Java type names are passed around as strings where we could better use Class objects. That is basically the whole proposal.

For the ProtoBuf converter, this is already done as the actual conversion for the serialization is done based on the type of the class.

#3 - 07/25/2011 06:11 PM - S. Wrede

- Target version changed from *rsb-0.10* to *0.4*

#4 - 08/03/2011 01:55 PM - S. Wrede

- Tracker changed from *Tasks* to *Feature*
- Status changed from *Feedback* to *Resolved*
- % Done changed from *0* to *100*

Initial implementation available with r2242. At client-level and internally now class objects are used for designating Java types.

Please note, that this also leads to an API break between 0.3 and 0.4 as the Event constructor changed from `Event(String content)` to `Event(Class type)`.