

## Robotics Service Bus - Tasks #326

### Create intelligent logger

05/26/2011 03:26 PM - J. Wienke

<b>Status:</b>	Resolved	<b>Start date:</b>	05/26/2011
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.3		
<b>Description</b>			
Print event components			
- Meta-data			
- Sender			
- Timestamps (including user-supplied ones)			
- UserInfo items			
- Payload			
- If not decodable, only content length (or hexdump?)			
- If string, print it (may require truncation)			
- <del>If protocol buffer, display field values</del> Maybe later			

#### Associated revisions

##### Revision 54dae568 - 06/07/2011 11:35 PM - J. Moringen

Initial import of C++ tools sub-project

refs #326

##### Revision 1dec85d5 - 06/08/2011 10:44 AM - J. Moringen

Fixed configuration order in CMakeLists.txt

refs #326

- CMakeLists.txt: configure Boost.UUID after RSC since RSC updates CMake's module path

##### Revision 2990697d - 06/08/2011 12:50 PM - J. Moringen

Added payload formatters and a factory

refs #326

- logger/CMakeLists.txt: added files  
logger/{Bytes,String}PayloadFormatter.{h,cpp},  
logger/formatting.{h,cpp}
- logger/BytesPayloadFormatter.{h,cpp}: new files; a formatter for octet-vector payloads
- logger/StringPayloadFormatter.{h,cpp}: new files; a formatter for string payloads
- logger/formatting.{h,cpp}: new files; contain an interface and a factory for payload formatting
- logger/main.cpp: use getFormatter to obtain an appropriate payload formatter

##### Revision 8bcfeabb - 06/08/2011 04:08 PM - J. Moringen

Allow user-control over converters in src/rsb/Factory.{h,cpp}

refs #326

- src/rsb/Factory.{h,cpp}: do not try to configure converters if transport options already contain a "converters" property

#### **Revision 7abf58f2 - 06/08/2011 05:24 PM - J. Moringen**

Added ByteArrayConverter in src/rsb/converter/ByteArrayConverter.{h,cpp}

refs #326

- src/CMakeLists.txt: added files  
src/rsb/converter/ByteArrayConverter.{h,cpp}
- src/rsb/converter/ByteArrayConverter.{h,cpp}: new files; a converter that wraps the notification payload in a std::string
- src/rsb/converter/converters.cpp: register ByteArrayConverter

#### **Revision 48fe1fce - 06/08/2011 05:29 PM - J. Moringen**

Expect a string payload in logger/BytesPayloadFormatter.cpp

refs #326

- logger/BytesPayloadFormatter.cpp: expect the payload to be a std::string since it should usually be the output of a ByteArrayConverter

#### **Revision 6f46fec1 - 06/08/2011 05:31 PM - J. Moringen**

Nicer formatting of event timestamps in logger/main.cpp

refs #326

- logger/main.cpp: format event timestamps in a human-readable form; configure a custom converter selection strategy that falls back to the ByteArrayConverter

#### **Revision 2f82c907 - 06/08/2011 06:09 PM - J. Moringen**

Added commandline option handling in logger/main.cpp

refs #326

- logger/main.cpp: handle commandline options that control the scope and event formatting style

#### **Revision e15328aa - 06/08/2011 06:21 PM - J. Moringen**

Register StringConverter for string wire-schema in logger/main.cpp

fixes #326

- logger/main.cpp: register StringConverter for wire-schema string and fallback to ByteArrayConverter for everything else

## **History**

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### **#1 - 06/07/2011 11:22 PM - J. Moringen**

- % Done changed from 0 to 50

not sure about "intelligent", but well ...

**#2 - 06/08/2011 06:01 PM - J. Moringen**

- *Description updated*

**#3 - 06/08/2011 06:22 PM - J. Moringen**

- *Status changed from New to Resolved*

- *% Done changed from 50 to 100*

Applied in changeset r1452.