

## Robotics Service Bus - Tasks #261

Tasks # 240 (Resolved): Refactor C++ Implementation to 2011-04-13 Domain Model

### Dynamic connector creation

04/27/2011 06:56 PM - J. Wienke

<b>Status:</b>	Resolved	<b>Start date:</b>	04/27/2011
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	J. Moringen	<b>% Done:</b>	100%
<b>Category:</b>	C++	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
<ul style="list-style-type: none"><li>- Use rsc::patterns::Factory for transport::Factory</li><li>- split transport::Factory into InFactory and OutFactory</li><li>- Register default connectors statically<ul style="list-style-type: none"><li>- maybe in rsb::Factory</li></ul></li></ul>			
<b>Related issues:</b>			
Blocked by Robotics Service Bus - Tasks # 255: Separate In and OutConnectors		<b>Resolved</b>	<b>04/23/2011</b>

### Associated revisions

#### Revision d21df8dc - 04/28/2011 02:58 PM - J. Moringen

Static constructor in src/rsb/transport/spread/SpreadConnector.{h,cpp}

refs #261

- src/rsb/transport/spread/SpreadConnection.{h,cpp}: added free functions defaultHost, defaultPort; these use the Configuration object; changed type of port member to unsigned int; removed no-args constructor in favor of default values for remaining constructor
- src/rsb/transport/spread/SpreadConnector.{h,cpp}: added static constructor function SpreadConnector::create for property-based construction; removed dependency on Configuration since it is only used in SpreadConnection

#### Revision f9dea0c3 - 04/28/2011 03:07 PM - J. Moringen

Added RSC-based In/Out factories in src/rsb/transport/Factory.{h,cpp}

refs #261

- src/rsb/transport/Factory.{h,cpp}: added InFactory and OutFactory based on rsc::patterns::Factory; move inclusion of transport implementation headers Factory.h -> Factory.cpp

#### Revision e37f0266 - 04/28/2011 03:20 PM - J. Moringen

Registration of transport implementation; switch to new factory infrastructure

refs #261

- src/CMakeLists.txt: added files src/rsb/transport/transports.{h,cpp}
- src/rsb/Factory.cpp: call registerDefaultTransports
- src/rsb/transport/Factory.{h,cpp}: interface is unchanged but actual work is now done by the new factory infrastructure
- src/rsb/transport/transports.{h,cpp}: new file; contain registerDefaultTransports which registers the spread and inprocess connectors

## Revision 70bbe6ed - 04/29/2011 06:14 PM - J. Moringen

Consistently use strings to designate connector implementations

fixes #261

- src/rsb/Informer.h: connector implementations are now designated by strings
- src/rsb/Listener.{h,cpp}: connector implementations are now designated by strings
- src/rsb/eventprocessing/Router.{h,cpp}: connector implementations are now designated by strings
- src/rsb/transport/Factory.h: removed remaining traces of former transport Factory class
- test/rsb/RSBTest.cpp: connector implementations are now designated by strings

## History

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### #1 - 04/28/2011 03:53 AM - J. Moringen

- *Status changed from New to In Progress*
- *Assignee changed from S. Wrede to J. Moringen*
- *% Done changed from 0 to 20*

### #2 - 04/28/2011 03:31 PM - J. Moringen

- *% Done changed from 20 to 80*

### #3 - 04/29/2011 06:16 PM - J. Moringen

- *Status changed from In Progress to Resolved*
- *% Done changed from 80 to 100*

Applied in changeset r682.