

# Robotics Service Bus - Feature #727

## Implement Connector Subsystem

11/18/2011 03:19 PM - S. Wrede

<b>Status:</b>	Resolved	<b>Start date:</b>	11/18/2011
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	J. Moringen	<b>% Done:</b>	100%
<b>Category:</b>	Python	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	0.6		
<b>Description</b>			
Subtasks:			
<ul style="list-style-type: none"><li>- <del>Split up Connectors into In/Out Connectors</del></li><li>- Expose list of available connector classes (jwienke: I don't remember what this is about)</li><li>- <del>Add a dedicated method to specify the scope and remove ScopeFilter for this purpose</del></li></ul>			
<b>Related issues:</b>			
Blocks Robotics Service Bus - Tasks # 333: Implement Local Transport		<b>Resolved</b>	<b>05/26/2011</b>
Blocks Robotics Service Bus - Tasks # 920: Release version 0.6		<b>Closed</b>	<b>03/02/2012 03/05/2012</b>

### Associated revisions

#### Revision c73de6eb - 11/18/2011 06:39 PM - J. Moringen

Added direction-specific connector-subclasses

refs #727

- rsb/\_\_init\_\_.py: instantiate connector with specific direction depending on the kind of participant
- rsb/transport/\_\_init\_\_.py: added subclasses InConnector and OutConnector of Connector class
- rsb/rsbspread/\_\_init\_\_.py: renamed SpreadConnector -> Connector; added subclasses InConnector and OutConnector of Connector class
- test/rsbspreadtest.py: adapted tests to changed Spread connector classes

#### Revision 66106e9d - 11/21/2011 05:15 PM - J. Moringen

Changed architecture to better match current model wrt. transports

refs #727

- rsb/eventprocessing.py: replaced Router class with Configurator superclass and its subclasses InRouteConfigurator and OutRouteConfigurator; (de)activation restrictions are much more strict now
- rsb/\_\_init\_\_.py: use Configurator instances instead of Router instances; pass lists of connectors instead of singleton connectors to Configurator instances
- test/eventprocessingtest.py: adapted to changes in eventprocessing module
- test/rsbspreadtest.py: likewise

#### Revision 3ae3d53c - 11/22/2011 12:06 AM - J. Moringen

Separate class for converter selection in rsb/transport/\_\_init\_\_.py

refs #727

- rsb/\_\_init\_\_.py: adapted to changes in connector stuff
- rsb/transport/\_\_init\_\_.py: removed converter selection from Connector class; added new class ConverterSelectingConnector
- rsb/rsbspread/\_\_init\_\_.py: use ConverterSelectingConnector; use super more consistently; extended documentation strings
- rsb/transport/socket/\_\_init\_\_.py: likewise
- test/rsbspreadtest.py: adapted to changes

#### Revision 3d8ea4f5 - 11/22/2011 03:36 AM - J. Moringen

Added DirectEventSendingStrategy, renamed \* -> handle  
refs #727

- rsb/\_\_init\_\_.py: changed call publish -> handle
- rsb/eventprocessing.py: added {add,remove}Connector to EventSendingStrategy; added implementation DirectEventSendingStrategy; renamed publish -> handle in Configurator class
- rsb/rsbspread/\_\_init\_\_.py: renamed push -> handle
- rsb/transport/\_\_init\_\_.py: renamed publish -> handle
- test/eventprocessingtest.py: adapted to renamed methods
- test/rsbspreadtest.py: likewise

#### Revision 6ef47d53 - 01/18/2012 07:03 PM - J. Wienke

Remove filter logic for scope handling and use dedicated methods instead

refs #727

#### Revision 1538204e - 01/19/2012 09:14 AM - J. Wienke

move spread module to transport package

refs #727

#### Revision f9d32a25 - 03/02/2012 08:45 PM - J. Moringen

Added connector introspection in rsb/transport/\_\_init\_\_.py

fixes #727

- rsb/transport/\_\_init\_\_.py: added getConnectors() and addConnector()
- rsb/transport/rsbspread/\_\_init\_\_.py: register InConnector and OutConnector classes via addConnector
- rsb/transport/socket/\_\_init\_\_.py: similar

## History

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### #1 - 11/18/2011 05:42 PM - J. Moringen

- Status changed from New to In Progress

### #2 - 11/22/2011 12:24 PM - J. Moringen

- % Done changed from 0 to 50

**#3 - 01/16/2012 10:05 AM - J. Wienke**

Jan, what is the state here? When this is done I could implement the local transport for python.

Btw, do you mean the general Connector interfacee, where in and out connectors inherit from or what is the question about?

**#4 - 01/16/2012 11:44 AM - J. Moringen**

There has been some progress. I do not remember the current state exactly now, but some tasks do probably remain.

Regarding the TCP-based transport for Python: there is a partial implementation. I am not sure whether I committed it, though.

**#5 - 01/16/2012 12:51 PM - J. Wienke**

Can you try to find out what is available locally in your copies and either I can take over that work or I will switch to something else.

**#6 - 01/16/2012 01:32 PM - J. Moringen**

Actually, the partial implementation of the TCP-based transport is already committed (transport/socket/\_\_init\_\_.py).

As far as I can see, there is no code for the local transport so far.

**#7 - 01/16/2012 03:22 PM - J. Wienke**

And the local transport?

Also, are there already separated in and out connectors?

**#8 - 01/18/2012 09:20 AM - J. Wienke**

- *Description updated*

- *Assignee changed from J. Moringen to J. Wienke*

**#9 - 01/19/2012 09:17 AM - J. Wienke**

- *Description updated*

- *% Done changed from 50 to 70*

**#10 - 02/27/2012 03:07 PM - J. Wienke**

- *Assignee changed from J. Wienke to J. Moringen*

**#11 - 03/02/2012 08:45 PM - J. Moringen**

- *Status changed from In Progress to Resolved*

- *% Done changed from 70 to 100*

Applied in changeset r3398.