

## Robotics Service Bus - Enhancement #321

### Introspectable Configuration Options

05/25/2011 08:11 PM - J. Moringen

<b>Status:</b>	Resolved	<b>Start date:</b>	05/12/2011
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	J. Moringen	<b>% Done:</b>	100%
<b>Category:</b>	Common Lisp	<b>Estimated time:</b>	2.00 hours
<b>Target version:</b>	0.3		
<b>Description</b>			
<p>Options should be stored in connector classes.</p> <p>It should be possible to query the supported configuration options of connectors:</p> <ul style="list-style-type: none"><li>- This should work without instantiating the connectors, if possible</li><li>- The obtained information should be sufficiently detailed to generate<ul style="list-style-type: none"><li>- Configuration file schemas</li><li>- Commandline option descriptions (when these get implemented)</li><li>- Help texts</li></ul></li></ul>			

#### Associated revisions

##### Revision 195542b7 - 05/26/2011 01:46 AM - J. Moringen

Added direction, schemas slots metaclass connector-class

refs #321

- src/transport/protocol.lisp (connector-direction): extended documentation string  
(connector-schemas): new generic function; return a list of schemas supported by a connector class  
(connector-direction standard-object): new method; forward request to class of the connector  
(connector-schemas class): new method; default behavior is returning empty list of schemas
- src/transport/connector.lisp (connector-class):
  - updated documentation string
  - (connector-class::direction): new slot; stores direction of instances of the connector class
  - (connector-class::schemas): new slot; stores schemas of the connector class
  - (initialize-instance :after connector-class): new method; convert value of direction class option to suitable form
  - (connector-schemas connector-class): new method; collect supported schemas from class and transitive superclasses
  - (connector::direction): removed slot; moved to metaclass
- src/transport/package.lisp (package rsb.transport): added exported symbol connector-schemas
- src/transport/spread/connector.lisp (connector): added schemas class option
- src/transport/spread/out-connector.lisp (out-connector): changed direction slot to class option
- src/transport/spread/in-push-connector.lisp (in-push-connector): likewise
- src/transport/spread/in-pull-connector.lisp (in-pull-connector): likewise

- src/transport/inprocess/connector.lisp (connector): changed metaclass to connector-class; added schemas class option
- src/transport/inprocess/out-connector.lisp (out-connector): likewise
- src/transport/inprocess/in-push-connector.lisp (in-push-connector): likewise
- src/transport/inprocess/in-pull-connector.lisp (in-pull-connector): likewise

#### Revision 8970e7ff - 05/26/2011 01:46 AM - J. Moringen

Adapted option descriptions to new syntax

refs #321

- src/transport/spread/out-connector.lisp (out-connector): changed value of options class option to conform to new syntax
- src/transport/spread/connector.lisp (connector): likewise; added default value in description of port option
- src/transport/spread/assembly-mixin.lisp (assembly-mixin): similar for max-fragment-size option

#### Revision 966232c8 - 05/28/2011 05:21 AM - J. Moringen

Removed parse-typed-value in src/configuration.lisp

refs #321

- src/configuration.lisp (options-from-environment): removed use of ``parse-typed-value'`  
(options-from-stream): likewise  
(parse-typed-value): removed; types of configuration options should be declared and determined via introspection
- src/participant.lisp (uri-options): removed use of ``parse-typed-value'`

#### Revision 93db2f75 - 05/31/2011 05:53 AM - J. Moringen

Improved options descriptions in src/transport/spread/connector.lisp

fixes #321

- src/transport/spread/connector.lisp (connector): adjusted description of configuration options; added tcpnodelay options so configuration files including it will not be rejected

## History

---

### #1 - 05/31/2011 05:53 AM - J. Moringen

- Status changed from *In Progress* to *Resolved*
- % Done changed from 70 to 100

Applied in changeset r1298.