

Robotics Service Bus - Enhancement #321

Introspectable Configuration Options

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

Status:	Resolved	Start date:	05/12/2011
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	Common Lisp	Estimated time:	2.00 hours
Target version:	0.3		

Description

Options should be stored in connector classes.

It should be possible to query the supported configuration options of connectors:

- This should work without instantiating the connectors, if possible
- The obtained information should be sufficiently detailed to generate
 - Configuration file schemas
 - Commandline option descriptions (when these get implemented)
 - Help texts

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.