

Robotics Service Bus - Enhancement #302

Tasks # 292 (Resolved): Fix communication with C++ baseline

Adapt converter selection

05/18/2011 01:31 PM - J. Moringen

Status:	Resolved	Start date:	05/18/2011
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	Python	Estimated time:	3.00 hours
Target version:	0.2		
Description Implement the following aspects which are specified in [[Conversion]] <ul style="list-style-type: none">- Implement something like ConflictFreeConverterSet- Use it in<ul style="list-style-type: none">- ParticipantConfig- Connectors- Converter options should dispatch on implementation language			

Associated revisions

Revision eee6b9bb - 05/18/2011 01:48 PM - J. Moringen

Implementation-language-specific converter option names

refs #302

- rsb/__init__.py: dispatch on implementation language when looking up converter selections

Revision f38ac643 - 05/18/2011 03:31 PM - J. Moringen

Rewrote converter lookup logic

refs #302

- rsb/transport/converter.py: Converter objects now store wire-type, wire-schema and data-type; ConverterMap supports lookup by wire-schema and data-type
- rsb/transport/__init__.py: Port can now look up converters based on wire-schema and data-type
- rsb/rsbspread/__init__.py: verify converter map based on wire-type; look up converter based on wire-schema for deserialization and directly based on data for
- test/rsbspreadtest.py: adapted to changed interfaces
- test/tiltest.py: likewise

Revision b52a6e96 - 05/18/2011 08:32 PM - J. Moringen

Added class UnambiguousConverterMap in rsb/transport/converter.py

refs #302

- rsb/transport/converter.py: added classes UnambiguousConverterMap which does not accept converters with identical wire-schema but different data types
- test/convertertest.py: new file; initial unit tests for ConverterMap and UnambiguousConverterMap

Revision 7a25c781 - 05/20/2011 08:17 PM - J. Moringen

Implement new converter disambiguation strategy

fixes #302

- rsb/__init__.py: accept new implementation-language-specific converter selection options; construct UnambiguousConverterMap object based on configuration information
- rsb/rsbspread/__init__.py: converterMap parameter of constructor is now mandatory
- rsb/transport/__init__.py: likewise
- test/rsbspreadtest.py: pass converterMap objects to constructed ports in all test cases

History

#1 - 05/18/2011 01:32 PM - J. Moringen

- *Parent task set to #292*

#2 - 05/20/2011 08:20 PM - J. Moringen

- *Status changed from New to Resolved*

- *% Done changed from 0 to 100*

Applied in changeset r1067.