

Robotics Service Bus - Feature #550

Enhancement # 548 (Resolved): Threadless RSB

Selection of Receiving Strategy

09/05/2011 08:28 PM - Anonymous

Status:	Resolved	Start date:	09/05/2011
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:	C++	Estimated time:	0.00 hour
Target version:	0.5		
Description			
Selection of Receiving Strategy. Right now implemented are: 1. Parallel... 2. Direct... Default is Parallel... One wants a runtime configuration for this. Maybe this can go into ParticipantConfiguration, cf. ConnectorFactories.			

Associated revisions

Revision e58b1fb0 - 09/06/2011 08:44 AM - J. Moringen

Added a factory for event receiving strategies

refs #548, #550

- src/CMakeLists.txt: added files
src/rsb/eventprocessing/EventReceivingStrategyFactory.h and
src/rsb/eventprocessing/strategies.{h,cpp}
- src/rsb/Factory.cpp: register event sending/receiving strategies in
factory constructor
- src/rsb/eventprocessing/DirectEventReceivingStrategy.{h,cpp}: added
static create method to support factory construction
- src/rsb/eventprocessing/ParallelEventReceivingStrategy.{h,cpp}:
likewise; removed unnecessary constructor
- src/rsb/eventprocessing/EventReceivingStrategyFactory.h: new file;
contains a factory for event receiving strategies
- src/rsb/eventprocessing/strategies.{h,cpp}: new files; contain
registration of event sending/receiving strategies

Revision 34e3b2cb - 09/06/2011 09:08 AM - J. Moringen

Cleanup, more configuration for DirectEventReceivingStrategy

refs #548, #550

- src/rsb/eventprocessing/DirectEventReceivingStrategy.{h,cpp}: added
singlethreaded construct property to static create method;
eliminated code duplication in filter and handle methods; fixed and
extended documentation comment of DirectEventReceivingStrategy class

Revision a3a18fc0 - 09/06/2011 12:06 PM - J. Moringen

Made event receiving strategy fully configurable

refs #548, #550

- src/rsb/ParticipantConfig.{h,cpp}: added
nested class ParticipantConfig::EventProcessingStrategy and members
event{Receiving,Sending}Strategy

- src/rsb/Listener.{h,cpp}: pass received ParticipantConfig object to configurator
- src/rsb/Reader.cpp: likewise
- src/rsb/eventprocessing/InRouteConfigurator.{h,cpp}: added config parameter to constructor; store event receiving strategy configuration for use by derived classes
- src/rsb/eventprocessing/PullInRouteConfigurator.{h,cpp}: added config parameter to constructor; pass to base class
- src/rsb/eventprocessing/PushInRouteConfigurator.{h,cpp}: likewise; use stored event receiving strategy configuration in createEventReceivingStrategy

History

#1 - 09/05/2011 08:30 PM - Anonymous

- *Parent task set to #548*

#2 - 09/06/2011 12:28 PM - J. Moringen

- *Status changed from Feedback to Resolved*
- *% Done changed from 0 to 100*

#3 - 10/27/2011 08:12 PM - J. Moringen

- *Target version changed from rsb-0.10 to 0.5*