

Robotics Service Bus - Tasks #438

Implement Server/RemoteServer

07/21/2011 09:14 PM - J. Moringen

Status:	Resolved	Start date:	07/21/2011
Priority:	Normal	Due date:	
Assignee:	S. Wrede	% Done:	100%
Category:	Java	Estimated time:	0.00 hour
Target version:	0.4		
Description			

Associated revisions

Revision 05f84cfb - 07/30/2011 11:03 PM - J. Moringen

Initial client/server infrastructure in src/rsb/patterns/

refs #438

- src/rsb/patterns/Method.java: new file; contains abstract Method superclass for remote and local Method classes
- src/rsb/patterns/Server.java: new file; contains abstract Server superclass for remote and local Server classes

Revision b12af6b9 - 07/30/2011 11:24 PM - J. Moringen

Added state management in src/rsb/patterns/Server.java

refs #438

- src/rsb/patterns/LocalServer.java: fixed documentation comments
- src/rsb/patterns/RemoteServer.java: removed state management; implemented in superclass
- src/rsb/patterns/Server.java: added nested classes ServerState, ServerStateActive and ServerStateInactive; implemented isActive(), activate() and deactivate() using these

Revision 22e9b355 - 07/30/2011 11:35 PM - J. Moringen

Fixed Server constructs in src/rsb/patterns/{Local,Remote}Server.java

refs #438

- src/rsb/patterns/LocalServer.java: removed transportFactory and portConfig parameters
- src/rsb/patterns/RemoteServer.java: likewise; made constructor public; added constructor without timeout parameter

Revision fe4ecb6a - 07/30/2011 11:42 PM - J. Moringen

Added create{Local,Remote}Server in src/rsb/Factory.java

refs #438

- src/rsb/Factory.java: added methods create{Local,Remote}Server which create LocalServer and RemoteServer objects respectively

Revision d7325bdd - 08/02/2011 12:29 AM - J. Moringen

Added state management in src/rsb/patterns/Method.java

refs #438

- src/rsb/patterns/Method.java: added nested classes for state

management and a basic implementation of the RSObject methods

Revision 891285da - 08/02/2011 12:31 AM - J. Moringen

Added getMethods method in src/rsb/patterns/Server.java

refs #438

- src/rsb/patterns/Server.java: added new method Server.getMethods which returns a Collection of all methods

Revision d05c8819 - 08/02/2011 12:34 AM - J. Moringen

Added RemoteMethod class in src/rsb/patterns/RemoteMethod.java

refs #438

- src/rsb/patterns/RemoteMethod.java: new class RemoteMethod; represents a remote method and implements its invocation

Revision a4848572 - 08/02/2011 12:47 AM - J. Moringen

Initialize member in src/rsb/patterns/Server.java

refs #438

- src/rsb/patterns/Server.java: initialize methods map

Revision b478aedb - 08/02/2011 12:50 AM - J. Moringen

Added infrastructure for LocalServer class in src/rsb/patterns/

refs #438

- src/rsb/patterns/DataCallback.java: new file; contains DataCallback interface which dispatches arbitrary objects to method-implementing callback objects
- src/rsb/patterns/EventCallback.java: new file; contains EventCallback interface which dispatches RSB events to method-implementing callback objects
- src/rsb/patterns/LocalMethod.java: new file; contains LocalMethod class which will be used to represent and implement exposed local methods
- src/rsb/patterns/LocalServer.java: added method LocalServer.addMethod

Revision 1f8cf64d - 08/05/2011 08:39 PM - S. Wrede

Extended and extracted ServerState class

Minimal test case for Server class

Fixed a bug in protobuf tutorial when using protocol buffers 2.2

Renamed DataHandler to AbstractDataHandler

This commit refs #438.

Revision 7f8d883e - 08/05/2011 10:47 PM - S. Wrede

Some bits of work on Request-Reply implementation.

This commit refs #438.

Extended tests.

Revision 0ef530dd - 08/08/2011 12:30 AM - S. Wrede

Some bits of work on Request-Reply implementation.

- Method class now correctly instantiates Informer / Listener pair
- Removed unnecessary NotFoundException in Informer.activate()
- Extended server test.

This commit refs #438.

test-compile now depends on clean target

Revision 0b1cabf0 - 08/08/2011 11:08 AM - S. Wrede

Some bits of work on Request-Reply implementation.

- Added RequestHandler class as acceptor for requests
- EventProcessor is now instantiated upon activation of Router to allow earlier handler registration

This commit refs #438.

Changed AbstractFilter class:

- Removed String-based Id methods as EventId is actually a unique key
- Changed name generation to use class.getShortname
- Removed implementation of transformEvent from AbstractFilter as this is the key method to be implemented by derived classes and as such it should be an error to not implement it

Fixed a number of warnings in the Spread Java source

Revision 7f59dea1 - 08/08/2011 11:53 AM - S. Wrede

Some bits of work on Request-Reply implementation.

- Added Method filter
- Added Method field to Event and corresponding handling in Spread serialization

This commit refs #438.

Changed EventHandler to AbstractEventHandler

Revision 8d2b5504 - 08/08/2011 01:35 PM - S. Wrede

Some bits of work on Request-Reply implementation.

- Initial implementation of request handling according to specification
- Added initial test for request handling

This commit refs #438.

Revision 9accf04c - 08/08/2011 04:22 PM - S. Wrede

Some bits of work on Request-Reply implementation.

- Initial implementation of remote server.
- Extended tests.

This commit refs #438.

Revision b713944e - 08/08/2011 06:32 PM - S. Wrede

Some bits of work on Request-Reply implementation.

- Initial working version of request/reply in Java.
- Added AsyncRequest as Future implementation.
- Extended tests.

This commit refs #438.

Revision 5ab71c43 - 08/09/2011 01:42 AM - S. Wrede

Some bits of work on Request-Reply implementation.

- Fixing of request-reply
- Call with data objects works
- Refactored AsyncRequest to Future
- Bug fix in Future.get (spurious wakeups)
- Extended tests.

This commit refs #438.

Revision bc03da50 - 08/09/2011 08:03 PM - S. Wrede

Almost final bits of work on Request-Reply implementation.

- Refactored RequestHandler into LocalMethod
- Added possibility to register Event-based callbacks at LocalServer
- Reduced verbosity of logging statements for 0.4 release.
- Extended tests.

This commit refs #438.

Revision 5260229c - 08/10/2011 04:56 PM - S. Wrede

Final bits of work on Request-Reply implementation.

- Implemented asynchronous request calls
- Refactored RemoteMethod, split specific aspects into Remote[Data|Event]Method
- Reduced verbosity of logging statements for 0.4 release.
- Extended tests.

This commit refs #438.

History

#1 - 07/21/2011 09:20 PM - S. Wrede

Thx! ;-)

#2 - 07/25/2011 06:11 PM - S. Wrede

- *Target version changed from rsb-0.10 to 0.4*

#3 - 07/30/2011 08:08 PM - J. Moringen

- *Assignee changed from S. Wrede to J. Moringen*

#4 - 07/30/2011 11:45 PM - J. Moringen

- *% Done changed from 0 to 30*

#5 - 08/03/2011 11:37 AM - J. Moringen

- *Status changed from New to In Progress*
- *Assignee changed from J. Moringen to S. Wrede*
- *% Done changed from 30 to 50*

#6 - 08/08/2011 06:37 PM - S. Wrede

- *% Done changed from 50 to 70*

Basic functionality is working but so far not tested in integration test.

#7 - 08/10/2011 05:01 PM - S. Wrede

- *Status changed from In Progress to Resolved*

- *% Done changed from 70 to 100*

Data and event signatures implemented. This finally allows (a)synchronous request/reply in Java.