

Robotics Service Bus - Enhancement #466

Add Future-based Interface to Request/Reply Subsystem

08/03/2011 04:34 AM - J. Moringen

Status:	Resolved	Start date:	08/03/2011
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	C++	Estimated time:	0.00 hour
Target version:	0.4		
Description			

Associated revisions

Revision 3e6d717c - 08/06/2011 10:52 PM - J. Moringen

Changed RemoteServer interface to use futures

fixes #466

- src/rsb/Factory.{h,cpp}: removed timeout parameter from Factory::createRemoteServer; timeouts are now specified for individual function calls
- src/rsb/patterns/RemoteServer.{h,cpp}: removed a whole bunch of logic from WaitingEventHandler since this stuff is now handled by RSC's Future class; changed RemoteServer interface to offer two pairs of methods: call/callAndWait and callMethod/callMethodAndWait
- examples/server/client.cpp: adapted to changed interface of RemoteServer class

Revision 03f42350 - 08/07/2011 12:41 AM - J. Moringen

Adapted C++ client to new future-based API in integrationtest/cpp/client.cpp

refs #466

- integrationtest/cpp/client.cpp: replaced calls to call() with calls to callAndWait()

Revision 2e31b8a5 - 08/07/2011 04:13 AM - J. Moringen

Fixed client/server example in examples/server/

refs #466

- examples/server/client.cpp: call waiting variants of all methods to maintain previous behavior
- examples/server/server.cpp: updated copyright

Revision 187fb449 - 08/08/2011 10:21 PM - J. Moringen

Renamed call methods in src/rsb/patterns/RemoteServer.{h,cpp}

fixes #466

- src/rsb/patterns/RemoteServer.{h,cpp}: change names of call methods
callMethodAndWait -> call, callAndWait -> call, callMethod -> callAsync, call -> callAsync
- examples/server/client.cpp: adapted to changed client interface

Revision df3cdf70 - 08/08/2011 10:23 PM - J. Moringen

Adapted C++ client to changed method names in RPC API

refs #466

- cpp/client.cpp: changed method calls callAndWait -> call

History

#1 - 08/06/2011 05:07 AM - J. Moringen

- Status changed from New to In Progress
- Assignee set to J. Moringen

#2 - 08/06/2011 08:16 AM - J. Moringen

- % Done changed from 0 to 70

#3 - 08/06/2011 10:53 PM - J. Moringen

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

Applied in changeset r2277.

#4 - 08/07/2011 12:46 AM - J. Moringen

- Status changed from Resolved to Feedback

Please provide feedback regarding the client interface. I'm not too happy with the call, callAndWait, callMethod, callMethodAndWait names.

Alternatives (which don't seem better to me) include

- dataCall, eventCall, -AndWait
- dataCall, blockingDataCall, eventCall, ...
- call, callWithEvent, -AndWait
- call, callWithEvent, blocking-

#5 - 08/08/2011 05:52 AM - J. Wienke

data and eventCalls sounds more clear to me. Personally, I could live with completely removing the andWait methods, but ok...

#6 - 08/08/2011 10:25 PM - J. Moringen

- Status changed from Feedback to Resolved

Applied in changeset r2303.