

Robotics Service Bus - Bug #447

Factory.cpp compilation fails on MacOS Snow Leopard

07/26/2011 10:37 PM - S. Wrede

Status:	Resolved	Start date:	07/26/2011
Priority:	Normal	Due date:	
Assignee:	S. Wrede	% Done:	100%
Category:	C++	Estimated time:	0.00 hour
Target version:	0.4		
Description			
Error message:			
<pre>[7%] Building CXX object src/CMakeFiles/RSBCore.dir/rsb/Exception.cpp.o [8%] Building CXX object src/CMakeFiles/RSBCore.dir/rsb/Factory.cpp.o In file included from /Users/swrede/Workspace/RSB/src/rsb/Factory.cpp:20: /Users/swrede/Workspace/RSB/src/rsb/Factory.h: In member function 'std::vector<typename Factory::InterfaceType::Ptr, std::allocator<typename Factory::InterfaceType::Ptr> > rsb::Factory::createConnectors(const rsb::ParticipantConfig&): /Users/swrede/Workspace/RSB/src/rsb/Factory.h:180: error: 'class rsb::Factory::InterfaceType' has not been declared /Users/swrede/Workspace/RSB/src/rsb/Factory.h:180: error: invalid type in declaration before ';' token /Users/swrede/Workspace/RSB/src/rsb/Factory.h:210: error: 'class rsb::Factory' has no member named 'createInst'</pre>			

Associated revisions

Revision 85d531e0 - 07/27/2011 08:52 PM - J. Moringen

Split Factory::createConnectors into 3 methods in src/rsb/Factory.{h,cpp}

refs #424 (should speed up compilation)

refs #447 (may fix the issue)

- src/rsb/Factory.{h,cpp}: split template method
Factory::createConnectors into non-template methods
Factory::createInPullConnectors, Factory::createInPushConnectors and
Factory::createOutConnectors; changed
create{Listener,Reader,Informer} accordingly; moved includes and
pairsToMap to Factory.cpp

History

#1 - 07/27/2011 12:55 AM - J. Moringen

The template method rsb::Factory::createConnectors has been added to avoid writing the same method three time. However, considering the amount of problems it causes, such as

- increased compilation time due to Boost.TypeTraits and Boost.MPL dependencies
- this issue
- build failure on Windows

maybe we should just write the same method three times.

#2 - 07/27/2011 08:52 PM - J. Moringen

- Status changed from New to Feedback

#3 - 07/28/2011 05:18 PM - S. Wrede

- *Status changed from Feedback to Resolved*
- *Target version changed from rsb-0.10 to 0.4*
- *% Done changed from 0 to 100*

Great. This fixed it. Compilation against RSC and Boost 1.46 as well as protobuf installed via MacPorts and spread-4.1 installed manually works fine. The tests run correctly such that I assume RSB now works on MacOS.