Robotics Service Bus - Tasks #268
Unify config parsing mechanism

04/29/2011 10:35 PM - J. Wienke

Status:	Resolved		**Start date:**	04/29/2011
Priority:	Normal		**Due date:**	
Assignee:	J. Moringen		**% Done:**	100%
Category:	C++		**Estimated time:**	4.00 hours
Target version:				

Description

The desired sequence of actions is:

- rsb::Factory constructor
  1. reads config file and environment variable
     - config file syntax is ini files with sections per connector implementation
  2. builds its default ParticipantConfig using the configuration file

Afterwards no more file parsing is required and the parser instance can b removed.

Defaults for each connector are hard-coded in the connectors and not part of a configuration class. The parser for ini files should either come from boost (if existing) or be part of RSC. Also the file + environment merging algorithm of options should be implemented there.

Associated revisions

Revision 1c50eab3 - 05/01/2011 12:25 AM - J. Moringen

Made ParticipantConfig class configurable via the new rsc::config facility

refs #268

- CMakeLists.txt: added dependency on Boost.Filesystem which is used
  for reading of configuration files
- src/rsb/ParticipantConfig.{h,cpp}: changed transport storage to
  std::map; added getTransport; added configuration methods fromFile,
  fromEnvironment and fromConfiguration; simplified implementation of
  operator<<

Revision 07e3230b - 05/01/2011 12:28 AM - J. Moringen

Made ParticipantConfig a friend of QualityOfServiceSpec

refs #268

- src/rsb/QualityOfServiceSpec.h: ParticipantConfig has to be a friend
  of QualityOfServiceSpec to manipulate its data members when loading
  configurations

Revision 78e96c89 - 05/01/2011 12:55 AM - J. Moringen

Specify env var prefix in src/rsb/ParticipantConfig.cpp

refs #268

- src/rsb/ParticipantConfig.cpp: explicitly specify RSB_ prefix in
  EnvironmentVariableSource

Revision cc8b331c - 05/01/2011 01:46 AM - J. Moringen

Use configuration capability of ParticipantConfig in Factory

refs #268

- src/rsb/Factory.{h,cpp}: retrieve default ParticipantConfig from
  configuration sources
- src/rsb/transport/spread/SpreadConnection.cpp: defaults are now
  hard-coded; old configuration mechanism is no longer used
- src/rsb/transport/spread/SpreadConnector.{h,cpp}: removed one
  constructor

Revision 92d1537b - 05/01/2011 01:57 AM - J. Moringen

Removed old configuration system in src/rsb/util/*

fixes #268

- src/CMakeLists.txt: removed files in src/rsb/util
- src/rsb/util/ConfigException.{h,cpp}: removed; old configuration
  system is no longer used
- src/rsb/util/Configuration.{h,cpp}: likewise
- src/rsb/transport/spread/SpreadConnection.cpp: removed dependency on
  src/rsb/util/Configuration.h

History

#1 - 04/30/2011 01:47 PM - J. Wienke

- Assignee set to J. Moringen

#2 - 05/01/2011 01:58 AM - J. Moringen

- Status changed from New to Resolved

- % Done changed from 0 to 100

Applied in changeset r734.