

# Robotics Systems Commons - Tasks #1629

## Let logging system use factory instead of registry

09/13/2013 09:54 AM - J. Wienke

Status:	Resolved	Start date:	09/13/2013
Priority:	Normal	Due date:	
Assignee:	J. Moringen	% Done:	0%
Category:	Logging	Estimated time:	0.00 hour
Target version:	rsb-0.18		
<b>Description</b>			
To prepare for deprecating the registry, let the logging system use factory instead of registry.			
<b>Related issues:</b>			
Blocks Robotics Systems Commons - Enhancement # 1621: Deprecate and later rem...			Resolved 09/10/2013

### Associated revisions

Revision 215d6233 - 02/02/2018 07:17 PM - J. Moringen

Logging sub-system no longer uses registry in src/rsc/logging/\*.{h,pp}

fixes #1629

A new class LoggingSystemFactory is now responsible for managing known LoggingSystem implementation as well as creating instances of those. The built-in logging systems are initially registered in LoggingSystemFactory's constructor.

- src/rsc/logging/LoggingSystem.{h,pp} (includes): removed  
  ..../misc/Registry.h  
  (LoggingSystem::getRegistryKey): removed member function; no longer needed  
  (LoggingSystem::getName): new member function; return name of the logging system  
  (loggingSystemRegistry): removed; no longer needed
- src/rsc/logging/LoggingSystemFactory.{h,pp}: new files; singleton factory for managing and instantiating LoggingSystem implementations
- src/rsc/logging/ConsoleLoggingSystem.{h,pp} (includes): removed  
  ..../misc/Registry.h; added ..../runtime/Properties.h  
  (ConsoleLoggingSystem::getRegistryKey): removed; no longer needed  
  (ConsoleLoggingSystem::create): new static member function; create function for use by LoggingSystemFactory
- src/rsc/logging/LoggerFactory.{h,pp} (includes): removed  
  ConsoleLoggingSystem.h; added LoggingSystemFactory.h  
  (toplevel): adapted documentation comment w.r.t. logging system implementation registration  
  (LoggerFactory::DEFAULT\_LOGGING\_SYSTEM): just use "console"  
  (LoggerFactory::reselectLoggingSystem): use LoggingSystemFactory  
  (LoggerFactory::getLoggingSystemName): use LoggingSystem::getName
- test/rsc/logging/mock.h (includes): added rsc/runtime/Properties.h  
  (MockLoggingSystem::name): removed; no longer needed  
  (MockLoggingSystem::MockLoggingSystem): likewise  
  (MockLoggingSystem::getRegistryKey): likewise

(MockLoggingSystem::getName): new member function; required by interface  
(MockLoggingSystem::create): new static member function; required by LoggingSystemFactory

- test/rsc/logging/LoggerFactoryTest.cpp (includes): added rsc/logging/LoggingSystemFactory.h
  - (test LoggerFactoryTest::testReselectLoggingSystem): adapted but disabled since it didn't work
  - (test LoggerFactoryTest::testRootLoggerCorrectLevelAfterReselect): adapted
- test/rsc/logging/OptionBasedConfiguratorTest.cpp (includes): added rsc/logging/LoggingSystemFactory.h
  - (test OptionBasedConfigurationTest::testSystemSelection): adapted but disabled since it didn't work

## History

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### #1 - 12/10/2013 11:47 PM - J. Moringen

- Target version changed from rsb-0.10 to rsb-0.11

### #2 - 02/06/2014 05:30 PM - J. Moringen

- Target version changed from rsb-0.11 to rsb-0.12

### #3 - 04/27/2015 11:16 AM - J. Wienke

- Target version changed from rsb-0.12 to rsb-1.0

### #4 - 06/30/2016 12:37 PM - J. Wienke

- Assignee deleted (J. Wienke)

### #5 - 02/02/2018 07:00 PM - J. Moringen

- Status changed from New to Resolved
- % Done changed from 0 to 100

Applied in changeset commit:rsc|215d6233da277a2b4acf8a55910c812173a533f.

### #6 - 02/02/2018 07:18 PM - J. Moringen

- Assignee set to J. Moringen
- % Done changed from 100 to 0

### #7 - 02/02/2018 07:18 PM - J. Moringen

- Target version changed from rsb-1.0 to rsb-0.18