

Robotics Service Bus - Tasks #1037

Implement error handling subsystem

06/25/2012 10:31 PM - J. Moringen

| | | | |
|--|-------------|------------------------|-----------------------------------|
| Status: | Resolved | Start date: | 06/25/2012 |
| Priority: | Normal | Due date: | |
| Assignee: | J. Moringen | % Done: | 100% |
| Category: | Common Lisp | Estimated time: | 0.00 hour |
| Target version: | rsb-0.7 | | |
| Description | | | |
| According to [[ErrorHandling#Implementation-Concept]]. | | | |
| Related issues: | | | |
| Related to RSBag - Enhancement # 1022: bag-record should terminate with non-z... | | | Resolved 06/23/2012 |

Associated revisions

Revision b5230073 - 07/02/2012 08:18 PM - J. Moringen

Prevent recursive timeouts in src/**/*-lisp

refs #1037

- src/error-handling.lisp: new file; contains error handling code
- src/package.lisp (package rsb): added exported symbols
 invoke-with-restart-and-timeout and with-restart-and-timeout
- src/event-processing/configurator.lisp (detach): use
 `with-restart-and-timeout'
- src/patterns/server.lisp (%remove-method-with-restart-and-timeout):
 likewise
- cl-rsb.asd (system cl-rsb): added file src/error-handling.lisp

Revision bb50a470 - 08/09/2012 01:37 PM - J. Moringen

Fixed args of continue restarts in src/transport/restart-mixins.lisp

refs #1037

- src/transport/restart-mixins.lisp
 (send-notification :around restart-notification-sender-mixin t):
 continue restarts accepts optional condition argument
 (event->notification :around restart-notification-sender-mixin t):
 likewise
 (receive-message :around restart message-receiver-mixin t): likewise
 (message->event :around restart-message-receiver-mixin t t):
 likewise

Revision d68fd888 - 08/09/2012 07:34 PM - J. Moringen

Added on-error commandline option in common.rst

refs #1037

- common.rst: added description of on-error commandline option

Revision 03bcfd61 - 08/10/2012 01:00 AM - J. Moringen

Added conditions for closed connections in src/transport/conditions.lisp

refs #1037

- src/transport/conditions.lisp (connection-closed): new condition

- class; signaled when a connection is closed
- (connection-unexpectedly-closed): new condition; signaled when a connection is closed unexpectedly
- src/transport/package.lisp (package rsb.transport): added exported symbols connection-closed, connection-closed-connection and connection-unexpectedly-closed
- src/transport/restart-mixins.lisp
 - (send-notification :around restart-notification-sender-mixin t): restarts are not applicable when the connection has been closed
 - (receive-message :around restart-message-receiver-mixin t): likewise
- src/transport/spread/connection.lisp (receive-message connection t): translate spread error which indicate a closed connection to 'connection-unexpectedly-closed'
- (send-message connection t): likewise

Revision e41dc8d3 - 08/10/2012 08:30 PM - J. Moringen

Basic toplevel error handling in common/error-handling.lisp

refs #1037

- common/error-handling.lisp: new file; contains some functions and macros for toplevel error handling
- common/options.lisp (make-error-handling-options): new function; make error-handling-related commandline options
- (process-error-handling-options): new function; process error-handling-related commandline options
- common/package.lisp (package rsb.common): added exported symbols abort/signal, continue/verbose, maybe-relay-to-thread, invoke-with-error-policy, with-error-policy, make-error-handling-options and process-error-handling-options
- cl-rsb-common.asd (system cl-rsb-common): added file common/error-handling.lisp; added dependency of common/options.lisp on common/error-handling.lisp

Revision 326bcc3f - 08/10/2012 08:31 PM - J. Moringen

Use error handling facilities in {logger,call,send}/main.lisp

refs #1037

- call/main.lisp (update-synopsis): added error-handling commandline options via 'make-error-handling-options'
- (main): retrieve error policy via 'process-error-handling-options', employ it globally via 'with-error-policy' and install it in the participant
- logger/main.lisp: similar; establish continue restart around event formatting
- send/main.lisp: similar

Revision aebe0975 - 08/11/2012 02:19 AM - J. Moringen

Backport: Added conditions for closed connections in src/transport/conditions.lisp

refs #1037

- src/transport/conditions.lisp (connection-closed): new condition class; signaled when a connection is closed
- (connection-unexpectedly-closed): new condition; signaled when a

- connection is closed unexpectedly
- src/transport/package.lisp (package rsb.transport): added exported symbols connection-closed, connection-closed-connection and connection-unexpectedly-closed
- src/transport/restart-mixins.lisp
 - (send-notification :around restart-notification-sender-mixin t): restarts are not applicable when the connection has been closed
 - (receive-message :around restart-message-receiver-mixin t): likewise
- src/transport/spread/connection.lisp (receive-message connection t):
 - translate spread error which indicate a closed connection to `connection-unexpectedly-closed'
 - (send-message connection t): likewise

Revision 5a34a031 - 08/11/2012 02:34 AM - J. Moringen

Added conditions for closed connections in
src/transport/conditions.lisp

refs #1037

- src/transport/conditions.lisp (connection-closed): new condition class; signaled when a connection is closed
- (connection-unexpectedly-closed): new condition; signaled when a connection is closed unexpectedly
- src/transport/package.lisp (package rsb.transport): added exported symbols connection-closed, connection-closed-connection and connection-unexpectedly-closed
- src/transport/restart-mixins.lisp
 - (send-notification :around restart-notification-sender-mixin t): restarts are not applicable when the connection has been closed
 - (receive-message :around restart-message-receiver-mixin t): likewise
- src/transport/spread/connection.lisp (receive-message connection t):
 - translate spread error which indicate a closed connection to `connection-unexpectedly-closed'
 - (send-message connection t): likewise

Revision 363d99f9 - 08/11/2012 02:36 AM - J. Moringen

Backport: Added conditions for closed connections in src/transport/conditions.lisp
refs #1037

- src/transport/conditions.lisp (connection-closed): new condition class; signaled when a connection is closed
- (connection-unexpectedly-closed): new condition; signaled when a connection is closed unexpectedly
- src/transport/package.lisp (package rsb.transport): added exported symbols connection-closed, connection-closed-connection and connection-unexpectedly-closed
- src/transport/restart-mixins.lisp
 - (send-notification :around restart-notification-sender-mixin t): restarts are not applicable when the connection has been closed
 - (receive-message :around restart-message-receiver-mixin t): likewise
- src/transport/spread/connection.lisp (receive-message connection t):
 - translate spread error which indicate a closed connection to `connection-unexpectedly-closed'
 - (send-message connection t): likewise

Revision 3e6cc392 - 08/11/2012 02:44 AM - J. Moringen

Backport: Basic toplevel error handling in common/error-handling.lisp

refs #1037

- common/error-handling.lisp: new file; contains some functions and macros for toplevel error handling
- common/options.lisp (make-error-handling-options): new function; make error-handling-related commandline options (process-error-handling-options): new function; process error-handling-related commandline options
- common/package.lisp (package rsb.common): added exported symbols abort/signal, continue/verbose, maybe-relay-to-thread, invoke-with-error-policy, with-error-policy, make-error-handling-options and process-error-handling-options
- cl-rsb-common.asd (system cl-rsb-common): added file common/error-handling.lisp; added dependency of common/options.lisp on common/error-handling.lisp

Revision 64e04a25 - 08/11/2012 02:44 AM - J. Moringen

Backport: Use error handling facilities in {logger,call,send}/main.lisp

refs #1037

- call/main.lisp (update-synopsis): added error-handling commandline options via `make-error-handling-options' (main): retrieve error policy via `process-error-handling-options', employ it globally via `with-error-policy' and install it in the participant
- logger/main.lisp: similar; establish continue restart around event formatting
- send/main.lisp: similar

History

#1 - 08/10/2012 09:12 PM - J. Moringen

- *Status changed from In Progress to Resolved*
- *% Done changed from 80 to 100*