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