

Robotics Service Bus - Feature #1738

Feature # 44 (Resolved): Implement basic introspection support

Implement participant creation and destruction hooks

02/06/2014 06:29 PM - J. Moringen

Status:	Resolved	Start date:	03/24/2014
Priority:	Normal	Due date:	03/24/2014
Assignee:	J. Moringen	% Done:	100%
Category:	Common Lisp	Estimated time:	0.00 hour
Target version:	rsb-0.11		
Description			

Associated revisions

Revision 9f6ca6da - 08/13/2014 09:36 AM - J. Moringen

Mention participant creation, state change hooks in news.rst

refs #1738

- news.rst (RSB 0.11): mention the new hooks **make-participant-hook** and **participant-state-change-hook**

Revision 5a8b3754 - 08/14/2014 03:57 AM - J. Moringen

Participant creation and state change hooks in src/variables.lisp

fixes #1738

- src/protocol.lisp (participant): forward declaration
(declaim special **participant-state-change-hook**): likewise
(detach :around participant): new method; run
`*participant-state-change-hook*`
(scope): forward declaration
(declaim special **make-participant-hook**): likewise
(make-participant-using-class :around class t scope): new method; run
`*make-participant-hook*`
- src/variables.lisp (**make-participant-hook**): new variable; list of handlers to run when a participant is created
(**participant-state-change-hook**): new variable; list of handlers to run when the state of a participant changes
- src/package.lisp (package rsb): added exported symbols **make-participant-hook** and **participant-state-change-hook**
- tests/protocol.lisp: new file; contains unit test for protocols; currently contains tests for `*make-participant-hook*` and `*participant-state-change-hook*`
- cl-rsb.asd (system cl-rsb-test): added file tests/protocol.lisp

Revision 76b346c6 - 08/19/2014 07:16 PM - J. Moringen

Processing of **make-participant-hook** return values in src/protocol.lisp

Do not treat the hook invocation returning nil as an error but as a request to use the constructed participant without modification.

- src/protocol.lisp
(make-participant-using-class :around class t scope): do not treat the hook invocation returning nil as an error but as a request to use the constructed participant without modification
- test/protocol.lisp (buggy-handler-error): new condition class; used to simulate buggy handlers
(participant-creation-error-caused-by-buggy-handler-error?) new function; predicate for recognizing particular error conditions
(participant-creation-error-caused-by-buggy-handler-error): new type; corresponding type
(test hooks-root::make-participant-hook/buggy-handler): instead of checking for a `program-error` in case of handlers returning nil, check for errors when handlers actually signal errors; also check new default behavior in case handlers return nil
- test/package.lisp (test suite participant-suite): removed local function `check-participant`; turned into ordinary toplevel function (check-participant): new function; extracted from `participant-suite` test suite

History

#1 - 08/14/2014 04:00 AM - J. Moringen

- *Status changed from In Progress to Resolved*
- *% Done changed from 50 to 100*

Applied in changeset commit:rsb-cl|5a8b375444df252bd88a989af3d16419d08e122f.