

Robotics Service Bus - Feature #712

Implement socket-based transport

11/10/2011 02:39 AM - J. Moringen

Status:	Resolved	Start date:	11/10/2011
Priority:	High	Due date:	
Assignee:	J. Moringen	% Done:	100%
Category:	Python	Estimated time:	0.00 hour
Target version:	rsb-0.7		
Description			
Related issues:			
Related to Robotics Service Bus - Enhancement # 545: Check if pure TCP Connec...		Resolved	09/05/2011
Related to Robotics Service Bus - Feature # 1012: Change default configuratio...		Resolved	06/20/2012

Associated revisions

Revision f35ad19b - 11/18/2011 06:55 PM - J. Moringen

Initial partial implementation of socket-based transport

refs #712

- rsb/__init__.py: accept "socket" as transport name; look up corresponding connector class
- rsb/eventprocessing.py: added class BroadcastProcessor
- rsb/transport/socket/__init__.py: new file; contains initial implementation of socket-based transport

Revision 87b8a154 - 06/22/2012 03:26 PM - J. Moringen

Partially usable socket transport

refs #712

- rsb/transport/rsbspread/conversion.py: provide event <-> notification conversion - without fragmentation - in separate functions
- rsb/transport/socket/__init__.py: implemented event distribution in Bus; implemented __getBus in Connector; event <-> notification conversion in {InPush,Out}Connector
- test/__init__.py: added socket transport tests
- test/sockettransporttest.py: new file; contains unit test for socket transport

Revision 4649f085 - 06/26/2012 01:52 PM - J. Moringen

Extended implementation in rsb/transport/socket/__init__.py

refs #712

- rsb/transport/socket/__init__.py: added handshake; added some logging; perform state management via (de)activate methods; implemented notification routing in BusServer

Revision 5be1041a - 06/26/2012 01:56 PM - J. Moringen

Fixed connector class name in rsb/__init__.py

refs #712

- rsb/__init__.py: in Participant.getConnector fixed connector class name rsb.transport.socket.{In -> InPush}Connector

Revision 2b1d6056 - 06/26/2012 02:10 PM - J. Moringen

Fixed server construction in rsb/transport/socket/__init__.py

refs #712

- rsb/transport/socket/__init__.py: store host, port and backlog parameters in slots; use in activate method

Revision ff3ebef7 - 06/26/2012 05:00 PM - J. Moringen

Shutdown improvements in rsb/transport/socket/__init__.py

fixes #712

- rsb/transport/socket/__init__.py: added error hook to BusConnection; fixed state management of BusConnection; fixed state management of Bus and BusServer; added removeConnector function to removed connectors from a bus after deactivation; implemented state management in Connector class

Revision d04e8bf4 - 06/26/2012 06:02 PM - J. Moringen

Fixes and cleanup in rsb/transport/socket/__init__.py

refs #712

- rsb/transport/socket/__init__.py: simplifications in BusConnection.{__del__,deactivate}; fixed routing of incoming events in Bus

Revision 10627d81 - 06/27/2012 03:49 AM - J. Moringen

Fixed routing in Bus in rsb/transport/socket/__init__.py

refs #712

- rsb/transport/socket/__init__.py: notifications should only be deliver to connectors whose scope are superscopes of the notifications' scopes

Revision 75fa3a3a - 06/27/2012 08:05 PM - J. Moringen

Fixed deadlock in rsb/transport/socket/__init__.py

refs #712

- rsb/transport/socket/__init__.py: fix deadlock that would happen when a connection received a notification while the owning bus was being deactivated; added some comments; minor cleanup

History

#1 - 06/20/2012 04:10 PM - S. Wrede

- Priority changed from Normal to High
- Target version changed from rsb-1.0 to rsb-0.7

#2 - 06/21/2012 05:51 PM - J. Moringen

- % Done changed from 30 to 60

#3 - 06/22/2012 03:31 PM - J. Moringen

- % Done changed from 60 to 80

#4 - 06/26/2012 05:38 PM - J. Moringen

- *Status changed from In Progress to Resolved*

- *% Done changed from 80 to 100*

Applied in changeset r3648.