

Robotics Service Bus - Feature #228

Introspection / Nameservice Interface and Initial Tool Support

03/18/2011 10:21 AM - S. Wrede

Status: Closed	Start date: 03/18/2011
Priority: Normal	Due date:
Assignee:	% Done: 60%
Category: Introspection	Estimated time: 0.00 hour
Target version: rsb-0.12	

Description

In order to support the introspection of RSB systems, e.g. to answer questions such as

- Which participants exist at all? (-> #44)
- ~~Which services do they expose?~~
- To what scopes these are subscribed (-> #44)
- What type converters are registered
- Which processes do participants belong to (-> #44)

~~a basic distributed name service~~ an introspection protocol is required.

In the long run, this may be based on something like multicast dns or upnp (The current implementation is in terms of RSB concepts, though).

We should start designing an interface that encapsulates access to the name service locally (ideally also providing callbacks when things change) and implement the access to information of other participants through a simple listener / informer pair that publishes state information ~~on request at an URI such as: rsb://about.~~

(-> #44, in particular <http://docs.cor-lab.de//rsb-manual/trunk/html/specification-introspection.html>)

Related issues:

Related to Robotics Service Bus - Feature # 340: Implement Distributed Naming...	Feedback	05/30/2011	
Blocked by Robotics Service Bus - Feature # 44: Implement basic introspection...	Resolved	03/24/2014	03/24/2014

History

#1 - 05/16/2011 02:17 PM - J. Wienke

- Subject changed from *Web-based Introspection Tools* to *Introspection Tools*
- Category deleted (C++)

#2 - 05/16/2011 02:17 PM - J. Wienke

- Assignee deleted (S. Wrede)

#3 - 10/21/2011 01:59 PM - S. Wrede

- Tracker changed from *Enhancement* to *Feature*
- Subject changed from *Introspection Tools* to *Introspection / Nameservice Interface and Initial Tool Support*
- Description updated
- Status changed from *New* to *Feedback*
- Target version set to *rsb-0.10*

#4 - 12/10/2013 11:47 PM - J. Moringen

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

#5 - 02/06/2014 06:10 PM - J. Moringen

- Category set to *Introspection*

- Status changed from *Feedback* to *In Progress*
- % Done changed from 0 to 10

#6 - 02/06/2014 06:26 PM - J. Moringen

- Description updated

#7 - 02/06/2014 06:27 PM - J. Moringen

This may not block #471 since #44 may be sufficient for that.

@Sebastian, Johannes: what do you think?

#8 - 03/24/2014 09:30 PM - J. Moringen

- % Done changed from 10 to 30

#9 - 08/13/2014 09:19 AM - J. Moringen

- Description updated
- % Done changed from 30 to 60

#10 - 08/13/2014 09:20 AM - J. Moringen

- Description updated

#11 - 08/13/2014 09:20 AM - J. Moringen

- Description updated

#12 - 12/17/2014 03:12 PM - J. Moringen

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

#13 - 12/19/2014 07:44 PM - J. Moringen

- Blocks deleted (*Feature #471: Support for RPC clients which do not require a running server part*)

#14 - 12/19/2014 07:47 PM - J. Moringen

- Status changed from *In Progress* to *Feedback*

I would like to close this since #44 is done and provides some of the functionality.

The remaining topics

- Type introspection
- Transport discovery (see comments in #340)

can be tracked in new, separate issues.

What do you think?

#15 - 12/22/2014 11:21 AM - S. Wrede

Yes, let's close this issue and discuss the remaining bits in more detailed tickets.

#16 - 12/30/2014 08:20 AM - J. Moringen
- Status changed from Feedback to Closed