Robotics Service Bus - Support #1399
Matlab Installation Doc

02/06/2013 05:36 PM - F. Reinhart

Status:	New	**Start date:**	02/06/2013
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Java	**Estimated time:**	0.00 hour
Target version:			

Description

Please provide short docu for rsb-matlab installation.

Related issues:

Related to Robotics Service Bus - Bug # 1401: Sphinx-based documentation for ...	**New**	**02/06/2013**

History

#1 - 02/06/2013 06:00 PM - J. Wienke

Is this sufficient: [[RSBm]]?

#2 - 02/06/2013 07:10 PM - C. Emmerich

I think Felix meant the installation and configuration of rsb-matlab with ant. This is missing at docs.cor-lab.org. But yes, the providid information of the wiki should also be included on that page.

To admit, currently it is very confusing where to find which information...

#3 - 02/06/2013 07:36 PM - J. Wienke

- Assignee deleted (J. Wienke)

Actually I never really worked much with the matlab stuff. Sebastian? Can you provide something?

#4 - 02/06/2013 08:30 PM - S. Wrede

- File rst-0.9.0.jar added

- File rstsandbox-0.9.0.jar added

- File rsb.m-0.9.0.jar added

First, it is true that we need to update the documentation (which I just gave at least some love). Second, we probably also need to update / fix parts of the code. That said, the installation should be pretty much straightforward.

1. For RSB just install the Java binary archive as described here: http://docs.cor-lab.de/rsb-manual/trunk/html/install.html#install-binary-java
2. For RST we don't have pre-compiled binaries yet (AFAIK). But I'll be willing to set up correponding build jobs. At present, this needs to be compiled manually as (briefly) described here: http://docs.cor-lab.de/rst-manual/trunk/html/install.html
3. For RSB.m just check out the libary under the Git URL stated in the Wiki page.
4. Build and install the library as also described there.
5. After that, you may follow the examples provided in the Wiki page.

To get you going, I've also attached a current binary of RST-{stable,sandbox}.jar and rsb-m-<version>.jar to this comment build with protoc version 2.4.

Nevertheless, I'd ask you to try to clone the library and build it for yourself.

BTW: We can discuss technical issues here, but I'd like to ask you to extend the documentation in the Wiki if something is not working as expected. This wasn't tested by me for a longer period of time.

#5 - 02/07/2013 09:39 AM - F. Reinhart

This is the wrong place for a discussion, but I nevertheless put this statement here:

Even though I feel like knowing a bit what all the RSB, RCI, RST and the like are made for, I still have problems to remember what I am doing with these packages. I miss a bigger picture description of the entire software bundle, i.e. which package depends on what, what is it good for, and how do all the packages play together. Maybe a short meta-docu with some figures (I know that we already have them) makes it much easier to use, understand and debug R**-based software.

#6 - 02/07/2013 10:38 AM - S. Wrede

You're right, these figures do exist. But they are partially specific for certain scenarios / systems (such as AMARSi). We should extract the generic bits out of this and think about a visualization.

The basics are rather straightforward and documented:

- RSB > middleware > docs: http://docs.cor-lab.de/rsb-manual/trunk/html/index.html
- RST > type system > docs: http://docs.cor-lab.de/rst-manual/trunk/html/data-types.html

RCI, CCA & Co. are currently rather AMARSi specific. Maybe we can make a tutorial out of that part for the AMARSi guys or out of the iCub case which might even be of broader interest.

#7 - 03/26/2015 05:13 PM - J. Moringen

- Related to Bug #1401: Sphinx-based documentation for rsb-matlab added

Files

rst-0.9.0.jar	383 KB	02/06/2013	S. Wrede
rstsandbox-0.9.0.jar	714 KB	02/06/2013	S. Wrede
rsb.m-0.9.0.jar	10.2 KB	02/06/2013	S. Wrede