

Robotics Systems Types - Enhancement #1703

Improve documentation for creating your own Data Types

12/20/2013 12:29 PM - C. Dreyer

Status:	Rejected	Start date:	12/20/2013
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	documentation	Estimated time:	0.00 hour
Target version:	rsb-0.13		

Description

After installing RSX using the prebuild windows zip file

I tried to create my own RST Data Type.

Following the instructions on "Adding new Data Types"

<http://docs.cor-lab.de/rst-manual/0.9/html/developer-tutorial.html>

I did:

```
git clone -b 0.9 https://code.cor-lab.org/git/rst.git rst-proto
git checkout -b 0.9-fleximon
```

wich resulted in a directory

C:\rsx\src\rst-proto\rst-proto\

The Documentation tells me to "Add a proto file for the new data type and test it by building your local branch from source as documented in From Source." referring to to <http://docs.cor-lab.de/rst-manual/0.9/html/install.html#installation-from-source>

I assume I had to add my protofile into C:\rsx\src\rst-proto\rst-proto

In the documentation on building from source it states at the beginning to clone the rst.git rep.

```
$ git clone -b 0.9 --recursive https://code.cor-lab.org/git/rst.git
```

being in C:\rsx\src\rst-proto\rst-proto

this would result in

C:\rsx\src\rst-proto\rst-proto\rst*

I assume this is not intended !

omitting the cloning step, since i already did

```
git clone -b 0.9 https://code.cor-lab.org/git/rst.git rst-proto
git checkout -b 0.9-fleximon
```

from the other page.

I would continue with:

```
$ cd rst/rst-proto # after "git clone" command
$ mkdir -p build && cd build
```

wich results in an empty C:\rsx\src\rst-proto\rst-proto\build\

with my flexicode.proto in C:\rsx\src\rst-proto\rst-proto\

continueing with

```
$ cmake -DCMAKE_BUILD_TYPE=debug -DCMAKE_INSTALL_PREFIX=PREFIX ..  
$ make  
$ make install
```

would try to execute a cmake on a CMakeLists.txt in C:\rsx\src\rst-proto\rst-proto\
which does not exist. There is only my proto file.

I - again - assumed you wanted me to checkout

```
git checkout -b 0.9-fleximon
```

being inside the ./rst-proto of

```
$ git clone -b 0.9 --recursive https://code.cor-lab.org/git/rst.git
```

with my fleximon.proto being in C:\rsx\src\rst\rst-proto

Following this assumption I tried

```
$ cd rst/rst-proto # after "git clone" command  
$ mkdir -p build && cd build  
$ cmake -DCMAKE_BUILD_TYPE=debug -DCMAKE_INSTALL_PREFIX=PREFIX ..  
$ make  
$ make install
```

which resulted in missing boost error although it is exactly where the windows prebuild put it. @C:\rsx\boost@

specifying the boost location manually

```
<pre>  
$ cmake -DBOOST_ROOT=C:\rsx\boost -DCMAKE_BUILD_TYPE=debug -DCMAKE_INSTALL_PREFIX=PREFIX ..  
</pre>
```

resulted again in an missing CMakeLists.txt error!

At that time I went to get a coffee!

Related issues:

Related to Robotics Systems Types - Tasks # 1270: The manual should explain h...

Resolved

11/29/2012

History

#1 - 12/20/2013 02:09 PM - J. Wienke

- Subject changed from creating your own Data Types to Improve documentation for creating your own Data Types

- Target version set to rsb-0.9

Jan, will you improve this?

#2 - 12/21/2013 11:34 AM - J. Moringen

I lost track what was going on here.

□

Let's discuss this next year.

#3 - 02/19/2014 02:23 PM - J. Wienke

- *Tracker changed from Bug to Enhancement*

#4 - 03/25/2014 05:31 PM - J. Moringen

- *Target version changed from rsb-0.9 to rsb-0.12*

#5 - 04/30/2015 04:07 PM - J. Wienke

- *Target version changed from rsb-0.12 to rsb-0.13*

#6 - 09/14/2015 12:36 PM - J. Wienke

- *Related to Tasks #1270: The manual should explain how to document new data types added*

#7 - 09/28/2015 06:12 PM - J. Moringen

- *Status changed from New to Rejected*

Please retry with the current RST version and reopen the issue if the problem still exists.