

Robotics Service Bus - Enhancement #1732

Document how to use maven from the citec repository server in client projects

02/05/2014 05:19 PM - J. Wienke

Status:	Resolved	Start date:	02/05/2014
Priority:	Normal	Due date:	
Assignee:	S. Sharma	% Done:	100%
Category:	Documentation	Estimated time:	0.00 hour
Target version:	rsb-0.11		

Description

In order to use RSB inside a client application that is developed with maven, you can use the deployed packages from the citec repository server. This usage pattern should be documented.

<https://repo.cit-ec.uni-bielefeld.de/index.html#welcome>

Related issues:

Related to Robotics Service Bus - Bug # 1168: Improve Binary Installation Doc... **Rejected** **09/18/2012**

Associated revisions

Revision 7e0142d5 - 02/19/2014 01:52 PM - J. Wienke

fixes #1732: document maven repo usage

Document how to use the RSB versions deployed to the CITEC maven repository in client projects

Includes patches proposed by Suchit Sharma.

Revision f25fd229 - 02/19/2014 05:09 PM - J. Wienke

Fix CITEC repository URLs

refs #1732

History

#1 - 02/05/2014 06:40 PM - S. Sharma

- File 0003-added-steps-for-installation-with-maven.patch added

- % Done changed from 0 to 90

Updated the document and attaching the patch, please review.

#2 - 02/05/2014 07:33 PM - S. Sharma

- File 0004-updated-for-entries-in-pom.xml.patch added

Updated changes in pom.xml. Attaching another patch.

Note: since changes are in users project ,changes in pom.xml should not have any problem(as here we are not building from source)

#3 - 02/07/2014 12:23 PM - J. Wienke

I think this doesn't use the repository so far. It should be possible to use RSB from the repo without manually installing jars into your local repository.

You probably needs some configuration like this somewhere:

```
<repositories>
  <repository>
    <id>citec</id>
    <name>CITEC Maven Repository Server</name>
    <url>http://repo.cit-ec.uni-bielefeld.de/</url>
    <layout>default</layout>
    <releases>
      <enabled>true</enabled>
    </releases>
    <snapshots>
      <enabled>true</enabled>
    </snapshots>
  </repository>
</repositories>
```

#4 - 02/12/2014 01:06 PM - S. Sharma

I am not able to compile it successfully with above repository tag :error rsb does not exist.

I also tried to chnage url but does not work

```
<name>CITEC Maven Repository Server</name>
<url>http://repo.cit-ec.uni-bielefeld.de/rsb/rsb/0.11-SNAPSHOT/rsb-0.11-20140211.002949-9.jar&lt;/url>
<layout>default</layout>
<releases>
```

#5 - 02/12/2014 07:12 PM - S. Sharma

The compilation with this <repository> option is throwing errors.

It may be due to incorrect repository url, could you please provide me with the exact url of the repository.

Also , why do we need this <repository> tag approach instead of the one I used earlier to install?

If we use this , does the system downloads jar from repository every time? if it is, it should be better to install jar on local system.

#6 - 02/13/2014 10:38 AM - J. Wienke

The whole idea of maven is to automatically pull dependencies from a repository server and to prevent manual work for dependencies. That's the reason why we would like to document that method. The dependencies will usually be cached on your local computer once you compiled your client project, so downloads will not happen all the time.

The configuration fragment with the repository location is correct. I have already used that one and it originates from my .m2/settings.xml. What are the exact errors?

From your first comment:

```
<name>CITEC Maven Repository Server</name>
<url>http://repo.cit-ec.uni-bielefeld.de/rsb/rsb/0.11-SNAPSHOT/rsb-0.11-20140211.002949-9.jar&lt;/url>
<layout>default</layout>
<releases>
```

This is not the intended way to use repositories. You only configure the base URL (<http://repo.cit-ec.uni-bielefeld.de/>) and the remaining thing required to download a jar file are handled through the group, name and version specification of your dependencies.

As we will need to work with maven more often it would be good if you could familiarize yourself with the maven concepts by reading some of the documentation and tutorials. We will get in touch with this over and over again.

#7 - 02/13/2014 04:25 PM - S. Sharma

- File 0005-download-jars-using-repository-tag.patch added

Compilation with repository tag working now.
Please find attached .patch for updated document.

#8 - 02/19/2014 01:57 PM - J. Wienke

- Status changed from New to Resolved
- % Done changed from 90 to 100

Applied in changeset rsb-manual|commit:7e0142d532ccc3c0a403670ddf864198e857164c.

#9 - 02/19/2014 01:58 PM - J. Wienke

I have reworded some aspects of your patch and applied it to master along with a few other improvements.

Files

0003-added-steps-for-installation-with-maven.patch	1.53 KB	02/05/2014	S. Sharma
0004-updated-for-entries-in-pom.xml.patch	1.66 KB	02/05/2014	S. Sharma
0005-download-jars-using-repository-tag.patch	23.4 KB	02/13/2014	S. Sharma