

z2-Environment - Bug #980

Eclipsoid runtime classpath resolution problem

28.02.2013 10:30 - Henning Blohm

Status:	Resolved	Start date:	28.02.2013
Priority:	Normal	Due date:	
Assignee:	Udo Offermann	% Done:	0%
Category:	z2-base-tools-eclipsoid	Estimated time:	0.00 hour
Target version:	2.3		
origin:			
Description			
When computing the runtime classpath of a project the Eclipsoid plugin ignores all dependency libs that are not of a component <module>/java. So includes are ignored.			
See https://redmine.z2-environment.net/projects/z2-base/repository/tools/revisions/d8710472d20794b18d19c842177c4b33350a10c4/entry/com.zfabrik.eclipsoid.plugin/src/com/zfabrik/eclipsoid/plugin/cpcontainer/EclipsoidClasspathEntryResolver.java#L81			

History

#1 - 01.03.2013 18:00 - Udo Offermann

- Status changed from New to In Progress

I think we have to separate two use cases:

1. resolve cps for runtime (executing within the IDE)
2. resolve source files for remote z2 debugging

Eclipse uses the same mechanism for both approaches and Eclipse's default behavior seems to be right for use case #1: The Eclipsoid cp container is considered and its entries are correctly resolved.

The same happens during a debug session but here sometimes one need a much broader scope. This has to be investigated further...

#2 - 04.03.2013 17:19 - Udo Offermann

in case of remote debugging:

1. add all open z2-project sources & libs
2. add all z2 libs (inside .eclipsoid folder)

#3 - 06.03.2013 17:08 - Udo Offermann

- Status changed from In Progress to Resolved

resolved with Eclipsoid version 2.2.0.201303051605-alpha

#4 - 19.03.2013 09:52 - Udo Offermann

- Status changed from Resolved to In Progress

Missing sources within remote debugging.

#5 - 19.03.2013 10:02 - Udo Offermann

published com.zfabrik.eclipsoid.feature_2.2.0.201303190956-alpha.jar

#6 - 20.03.2013 12:03 - Udo Offermann

Eclipsoid does not provide source files from JARs inside referenced projects even if a corresponding source-jar is available

#7 - 29.06.2013 23:04 - Henning Blohm

Anything useful still possible to be done?

#8 - 29.07.2013 18:09 - Henning Blohm

- Priority changed from High to Normal

- Target version changed from 2.2 to 14

#9 - 13.12.2013 15:37 - Udo Offermann

- Status changed from In Progress to Resolved

Findings so far:

Given two Projects A and B where A needs B.

A is opened in Eclipse, B is not

All resources offered by B are provided by the Eclipsoid servlet `/apijars`.

A and B are both opened and armed in Eclipse

Java sources in B are visible to referencing projects because Eclipse exports sources automatically.

The Eclipsoid plug-in adds all jars found in all z2-component folders as java library to the classpath. API jars are set as public so that referencing projects will see them. See:

- `IFolder[] libCandidates = getAllZ2ComponentsFolders(jProj);` in `com.zfabrik.eclipsoid.client.StartEclipsoid#getClassPathEntries(IJavaProject jProj)` (line 365)
- `@private IFolder[] getAllZ2ComponentsFolders(IJavaProject jProj) {...}` (line 398ff)

#10 - 08.09.2015 10:03 - Henning Blohm

- Target version changed from 14 to 2.3