

Kepler - Bug #3128

Kepler devel tree can't be compiled in java 1.6.0: DBConnection problem

02/05/2008 11:58 AM - Jing Tao

Status:	Resolved	Start date:	02/05/2008
Priority:	Normal	Due date:	
Assignee:	Daniel Crawl	% Done:	0%
Category:	build system	Estimated time:	0.00 hour
Target version:	2.0.0	Spent time:	0.00 hour
Bugzilla-Id:	3128		

Description

Christopher Brooks reported he couldn't compile the src code -

When I run:

```
export KEPLER=c:/Kepler/kepler-1.0.0rc1
cd $KEPLER
export PTII=c:/tmp/cxh/ptII
ant ptolemy
ant run
```

I get:

compile:

```
[javac] Compiling 752 source files to
c:\Kepler\kepler-1.0.0rc1\build\classes
[javac]
c:\Kepler\kepler-1.0.0rc1\build\src\org\ecoinformatics\util\DBConnection.java:61:
org.ecoinformatics.util.DBConnection
is not abstract and does not override abstract method createSQLXML()
in java.sql.Connection
[javac] public class DBConnection implements Connection {
[javac]     ^
[javac] Note: Some input files use or override a deprecated API.
[javac] Note: Recompile with -Xlint:deprecation for details.
[javac] Note: Some input files use unchecked or unsafe operations.
[javac] Note: Recompile with -Xlint:unchecked for details.
[javac] 1 error
```

Christopher was running
JDK 1.6.0_04

I repeated above steps.

It worked if i used jdk1.5.0_11

However, if I used jdk1.6.0_04, i got an error which is as same as Christopher reported:

compile-dev:

```
[javac] Compiling 752 source files to /home/tao/Kepler/build/classes
[javac] /home/tao/Kepler/build/src/org/ecoinformatics/util/DBConnection.java:61: org.ecoinformatics.util.DBConnection is not abstract
and does not override abstract method createSQLXML() in java.sql.Connection
[javac] public class DBConnection implements Connection {
[javac]     ^
[javac] Note: Some input files use or override a deprecated API.
[javac] Note: Recompile with -Xlint:deprecation for details.
[javac] Note: Some input files use unchecked or unsafe operations.
[javac] Note: Recompile with -Xlint:unchecked for details.
[javac] 1 error
```

When I ran above tests, kepler src is Kepler 1.0.0rc1 and ptomely src is rel-7-0-beta-2 tag.

History

#1 - 01/06/2009 03:56 PM - Christopher Brooks

With the new build system under Windows with JDK 1.6.0_05, I get:

```
[compile] Compiling core...
```

```
[compile] Compiling 98 source files to c:\tmp\cxh\src\kepler\core\target\classes
```

```
[compile] c:\tmp\cxh\src\kepler\core\src\org\ecoinformatics\util\DBConnection.java:67: org.ecoinformatics.util.DBConnection is not abstract and does not override abstract method createSQLXML() in java.sql.Connection
```

```
[compile] public class DBConnection implements Connection {
```

```
[compile]     ^
```

The workaround is to move `core/src/org/ecoinformatics/util/DBConnection-JDK1.6-Java` to `DBConnection.java`.

```
bash-3.2$ pushd ../core/src/org/ecoinformatics/util/
```

```
~/src/kepler/core/src/org/ecoinformatics/util ~/src/kepler/build-area
```

```
bash-3.2$ ls
```

```
Config.java
```

```
DBConnection-JDK1.6-Java
```

```
DBConnection.java
```

```
DBConnectionFactory.java
```

```
DelimitedReader.java
```

```
bash-3.2$ cp DBConnection-JDK1.6-Java DBConnection.java
bash-3.2$ popd
/src/kepler/build-area
bash-3.2$
```

This problem is caused because Sun broke backward compatibility with certain classes.

The real fix is to have the build system check the version of java and copy the appropriate file as necessary.

#2 - 03/20/2009 09:15 AM - Christopher Brooks

In my opinion, Kepler 1.1.0 must be able to be compiled with Java 6 (aka JDK1.6).

The problem is:

```
[compile] Compiling 96 source files to /home/bldmastr/kepler/core/target/classes
[compile] /home/bldmastr/kepler/core/src/org/eoinformatics/util/DBConnection.java\
:62: org.eoinformatics.util.DBConnection is not abstract and does not override abst\
ract method createSQLXML() in java.sql.Connection
[compile] public class DBConnection implements Connection {
[compile]     ^
```

The solution is for the build system to move files if Java 1.6 is detected.

#3 - 04/03/2009 02:22 PM - Chad Berkley

Kepler 2.0 should be Java 1.6 compatible, IMHO. The main problem is that we need to work around this since older macs will not be upgraded Java 1.6. One option is to have the installer check to see what version of java is running and choose the correct DBConnection class file.

#4 - 04/25/2009 01:19 PM - Daniel Crawl

DBConnection has been removed since it provided trivial functionality.
Kepler now compiles with java 1.6.

#5 - 03/27/2013 02:22 PM - Redmine Admin

Original Bugzilla ID was 3128