

## Kepler - Bug #4264

### ant task fails if there are java compilation errors

07/25/2009 10:58 AM - Christopher Brooks

<b>Status:</b>	Resolved	<b>Start date:</b>	07/25/2009
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Chad Berkley	<b>% Done:</b>	0%
<b>Category:</b>	build system	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	3.X.Y	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	4264		

#### Description

If "ant tasks" is run and there are compilation errors in the build-area/src code, then "ant tasks" will fail to run again because target/kepler-tasks.jar does not exist.

In the example below, I have some compilation errors and then ant task fails to run

```
bash-3.00$ ant task
At revision 20113.
Buildfile: build.xml
```

```
task:
```

```
clean:
```

```
[delete] Deleting directory /export/home1/cxh/src/kepler/build-area/target/classes
[delete] Deleting: /export/home1/cxh/src/kepler/build-area/target/kepler-tasks.jar
```

```
compile:
```

```
[mkdir] Created dir: /export/home1/cxh/src/kepler/build-area/target/classes
[javac] Compiling 90 source files to /export/home1/cxh/src/kepler/build-area/target/classes
[javac] /export/home1/cxh/src/kepler/build-area/src/org/kepler/build/CreateJavadoc.java:137: cannot find symbol
[javac] symbol : class StreamExec
[javac] location: class org.kepler.build.CreateJavadoc
[javac]     final StreamExec exec = new StreamExec();
[javac]         ^
[javac] /export/home1/cxh/src/kepler/build-area/src/org/kepler/build/CreateJavadoc.java:137: cannot find symbol
[javac] symbol : class StreamExec
[javac] location: class org.kepler.build.CreateJavadoc
[javac]     final StreamExec exec = new StreamExec();
[javac]         ^
[javac] /export/home1/cxh/src/kepler/build-area/src/org/kepler/build/util/StreamSingleCommandExec.java:308: cannot find symbol
[javac] symbol : variable commandTokens
[javac] location: class org.kepler.build.util.StreamSingleCommandExec
[javac]     for (int i = 0; i < commandTokens.length; i++) {
[javac]         ^
[javac] /export/home1/cxh/src/kepler/build-area/src/org/kepler/build/util/StreamSingleCommandExec.java:312: array required, but
java.util.List found
[javac]         commandBuffer.append(_commands[i]);
[javac]             ^
[javac] /export/home1/cxh/src/kepler/build-area/src/org/kepler/build/util/StreamSingleCommandExec.java:321: cannot find symbol
[javac] symbol : variable commandTokens
[javac] location: class org.kepler.build.util.StreamSingleCommandExec
[javac]         statusCommand.append(commandTokens[i]);
[javac]             ^
[javac] /export/home1/cxh/src/kepler/build-area/src/org/kepler/build/util/StreamSingleCommandExec.java:333: cannot find symbol
[javac] symbol : method exec(java.util.List,java.lang.String[],java.io.File)
[javac] location: class java.lang.Runtime
[javac]         _process = runtime.exec(_commands, _envp,
[javac]             ^
[javac] Note: Some input files use unchecked or unsafe operations.
[javac] Note: Recompile with -Xlint:unchecked for details.
```

[javac] 6 errors

#### BUILD FAILED

/export/home1/cxh/src/kepler/build-area/build.xml:197: The following error occurred while executing this line:  
/export/home1/cxh/src/kepler/build-area/kepler-tasks.xml:13: Compile failed; see the compiler error output for details.

Total time: 6 seconds

bash-3.00\$ ant task

Buildfile: build.xml

#### BUILD FAILED

/export/home1/cxh/src/kepler/build-area/build.xml:4: The following error occurred while executing this line:  
/export/home1/cxh/src/kepler/build-area/settings/taskdefs.xml:5: typedef class org.kepler.build.Get cannot be found

Total time: 0 seconds

The workaround is to run

svn update target/; ant task

The fix is to temporarily move targets/kepler-tasks.jar and if javac fails, then move it back.

## History

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### #1 - 01/07/2010 07:44 PM - David Welker

"ant task" is a convenience method. It never needs to be invoked.

If "ant task" fails, the solution is to type:

```
ant -f kepler-tasks.xml
```

I do not think that we should make "ant task" more robust, since it is meant to be a short-cut to avoid to avoid typing the above. If kepler-tasks.jar is missing, then ant task doesn't work, but the command above does. I am closing this bug.

### #2 - 03/27/2013 02:26 PM - Redmine Admin

Original Bugzilla ID was 4264