

Apache Maven

10th Nov: Harmony passes 100% tests on Maven 2.0.4 after applying patch for JIRA 2075.

Summary:

Maven version: 2.0.4

Platform\VM	RI	J9	DRLVM
RedHat Enterprise4	100 %	100 %	/
Windows xp2	100 %	100 %	100%

Harmony classlib with J9 vm also passes on ubuntu6.0.6 and suse 10.

How to:

1. Build Maven 2.0.4
 - a. Download maven binary from <http://maven.apache.org/download.html> and unzip it. Add bin to system path.
 - b. Checkout maven source code from <http://svn.apache.org/repos/asf/maven/components/tags/maven-2.0.4> to MAVEN_ROOT
 - c. (if have difficult in download) Set download proxy:
In USER_HOME/.m2 add a settings.xml file with such content:

```
<settings>
  <proxies>
    <proxy>
      <active>true</active>
      <protocol>http</protocol>
      <host>PROXY_HOST</host>
      <port>PROXY_PORT</port>
    </proxy>
  </proxies>
</settings>
```

- d. "mvn compile" to compile source code, "mvn test-compile" to compile testcases.

2. Test Maven 2.0.4 on Harmony
 - i. Set variable JAVA_HOME=HARMONY_CLASSLIB/deploy/jdk/jre
 - ii. Set java compiler to javac in MAVEN_ROOT/pom.xml

Add such property in <plugins></plugins>

```
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-compiler-plugin</artifactId>
  <configuration>
    <fork>true</fork>
    <executable>PATH TO JAVAC\javac.exe</executable>
  </configuration>
</plugin>
```

- i. "mvn test" to run tests.

I have problem in testing Maven on drlvm on Redhat Linux Enterprise 4. It has such output"

```
[INFO] org/apache/maven/surefire/booter/IsolatedClassLoader
[INFO] -----
[INFO] Trace
java.lang.NoClassDefFoundError: org/apache/maven/surefire/booter/IsolatedClassLoader
    at org.apache.maven.plugin.surefire.SurefirePlugin.constructSurefireBooter
(SurefirePlugin.java:437)
    at org.apache.maven.plugin.surefire.SurefirePlugin.execute(SurefirePlugin.java:390)
    at org.apache.maven.plugin.DefaultPluginManager.executeMojo(DefaultPluginManager.
java:409)
    at org.apache.maven.lifecycle.DefaultLifecycleExecutor.executeGoals(DefaultLi
fecycleExecutor.java:534)
    at org.apache.maven.lifecycle.DefaultLifecycleExecutor.executeGoalWithLi
fecycle
(DefaultLifecycleExecutor.java:473)
    at org.apache.maven.lifecycle.DefaultLifecycleExecutor.executeGoal(Default
LifecycleExecutor.java:453)
    at org.apache.maven.lifecycle.DefaultLifecycleExecutor.executeGoalAndHandleFailures
(DefaultLifecycleExecutor.java)
    at org.apache.maven.lifecycle.DefaultLifecycleExecutor.executeTaskSegments
(DefaultLifecycleExecutor.java:271)
    at org.apache.maven.lifecycle.DefaultLifecycleExecutor.execute(DefaultLi
fecycleExecutor.java:138)
    at org.apache.maven.DefaultMaven.doExecute(DefaultMaven.java:320)
    at org.apache.maven.DefaultMaven.execute(DefaultMaven.java:110)
    at org.apache.maven.cli.MavenCli.main(MavenCli.java:250)
    at java.lang.reflect.VMReflection.invokeMethod(Native Method)
    at java.lang.reflect.Method.invoke(Unknown Source)
    at org.codehaus.classworlds.Launcher.launchEnhanced(Launcher.java:315)
    at org.codehaus.classworlds.Launcher.launch(Launcher.java)
    at org.codehaus.classworlds.Launcher.mainWithExitCode(Launcher.java:426)
    at org.codehaus.classworlds.Launcher.main(Launcher.java)
```