

EDIT - bug #6407

Upgrade maven compiler plugin to latest version

02/02/2017 10:58 PM - Andreas Müller

Status:	New	Start date:	
Priority:	Priority14	Due date:	
Assignee:	Andreas Müller	% Done:	0%
Category:	platform	Estimated time:	0:00 hour
Target version:	Release 5.44	Found in Version:	Release 4.6
Severity:	major		
Description			
Currently this is not yet possible as it results in test errors probably related to missing aspectj support. This problems starts with version 3.x			
Also interesting might be maven wrapper: https://maven.apache.org/wrapper/			
Related issues:			
Related to EDIT - task #6401: Update working environment to jdk 1.8		Closed	
Related to EDIT - bug #6404: StackOverflow when compiling large java classes ...		Rejected	
Related to EDIT - task #9359: Update cdmlib, taxeditor, cdmsserver etc. depend...		Closed	
Related to EDIT - task #10055: Updates, upgrades and cleanup 2023		New	
Has duplicate EDIT - task #9919: Upgrade maven-compiler-plugin to 3.x in cdmlib		Duplicate	
Blocks EDIT - task #6981: Migrate to Java 11		New	05/04/2022 05/13/2022

Associated revisions

Revision 215f1b60 - 01/05/2023 12:13 PM - Andreas Müller

ref #6407 add commented 3.x version to compiler plugin

History

#1 - 02/02/2017 11:00 PM - Andreas Müller

- Related to task #6401: Update working environment to jdk 1.8 added

#2 - 02/02/2017 11:00 PM - Andreas Müller

- Related to bug #6404: StackOverflow when compiling large java classes in Java8 (jdk1.8) added

#3 - 02/02/2017 11:03 PM - Andreas Müller

- Tags set to jdk1.8

Maybe a related [1ddde622ae10b01976cdb99fb50a469a5506ca7e](https://issues.apache.org/jira/issues/1ddde622ae10b01976cdb99fb50a469a5506ca7e)

#4 - 04/21/2020 12:26 PM - Andreas Müller

- Assignee changed from Patrick Plitzner to Andreas Kohlbecker

#5 - 10/27/2021 01:05 AM - Andreas Müller

- Related to task #9359: Update cdmlib, taxeditor, cdmsserver etc. dependencies added

#6 - 01/15/2022 07:43 PM - Andreas Müller

- Has duplicate task #9919: Upgrade maven-compiler-plugin to 3.x in cdmlib added

#7 - 01/15/2022 07:45 PM - Andreas Müller

- Assignee changed from Andreas Kohlbecker to Andreas Müller

- Target version changed from Unassigned CDM tickets to Release 5.46

#8 - 12/27/2022 03:35 PM - Andreas Müller

- Related to task #10055: Updates, upgrades and cleanup 2023 added

#10 - 01/05/2023 05:21 PM - Andreas Müller

- Blocks task #6981: Migrate to Java 11 added

#11 - 01/05/2023 05:52 PM - Andreas Müller

- Tags changed from `jdk1.8` to `jdk1.8, java11`

- Description updated

- Target version changed from Release 5.46 to Release 5.44

I tried to handle aspectj with aspectj-maven-plugin (and remove the ant-run-plugin) in `cdmlib-model`

<https://www.mojohaus.org/aspectj-maven-plugin/index.html>

```
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>aspectj-maven-plugin</artifactId>
  <version>1.14.0</version>
  <executions>
    <execution>
      <goals>
        <goal>compile</goal>      <!-- use this goal to weave all your main classes -->
        <goal>test-compile</goal> <!-- use this goal to weave all your test classes -->
      </goals>
    </execution>
  </executions>
  <dependencies>
    <dependency>
      <groupId>org.aspectj</groupId>
      <artifactId>aspectjrt</artifactId>
      <version>${aspectj.version}</version>
    </dependency>
    <dependency>
      <groupId>org.aspectj</groupId>
      <artifactId>aspectjtools</artifactId>
      <version>${aspectj.version}</version>
    </dependency>
  </dependencies>
</plugin>
```

but resulted in a StackOverflow due to (self-referencing?) generics in `TypeDesignationStatusBase` (and maybe others).

```
[INFO]
[INFO] --- maven-compiler-plugin:2.5.1:compile (default-compile) @ cdmlib-model ---
[INFO] Compiling 585 source files to c:\Users\A.mueller\workspace\cdmlib2\cdmlib-model\target\classes
[INFO]
[INFO] --- aspectj-maven-plugin:1.14.0:compile (default) @ cdmlib-model ---
[INFO] Showing AJC message detail for messages of types: [error, warning, fail]
java.lang.RuntimeException: PR341926 diagnostics: Incorrect setup for a generic type, raw type should not point to raw: eu.etaxonomy.cdm.model.name.TypeDesignationStatusBase
    at org.aspectj.weaver.ReferenceType.setGenericType(ReferenceType.java:1101)
    at org.aspectj.ajdt.internal.compiler.lookup.EclipseFactory.addSourceTypeBinding(EclipseFactory.java:169)
    at org.aspectj.ajdt.internal.compiler.lookup.AjLookupEnvironment.completeTypeBindings(AjLookupEnvironment.java:169)
    at org.aspectj.org.eclipse.jdt.internal.compiler.Compiler.internalBeginToCompile(Compiler.java:893)
    at org.aspectj.org.eclipse.jdt.internal.compiler.Compiler.beginToCompile(Compiler.java:395)
    at org.aspectj.org.eclipse.jdt.internal.compiler.Compiler.compile(Compiler.java:445)
    at org.aspectj.org.eclipse.jdt.internal.compiler.Compiler.compile(Compiler.java:427)
    at org.aspectj.ajdt.internal.core.builder.AjBuildManager.performCompilation(AjBuildManager.java:1096)
    at org.aspectj.ajdt.internal.core.builder.AjBuildManager.performBuild(AjBuildManager.java:275)
    at org.aspectj.ajdt.internal.core.builder.AjBuildManager.batchBuild(AjBuildManager.java:188)
    at org.aspectj.ajdt.ajc.AjdtCommand.doCommand(AjdtCommand.java:103)
    at org.aspectj.ajdt.ajc.AjdtCommand.runCommand(AjdtCommand.java:47)
    at org.aspectj.tools.ajc.Main.run(Main.java:372)
    at org.aspectj.tools.ajc.Main.runMain(Main.java:250)
    at org.codehaus.mojo.aspectj.AbstractAjcCompiler.execute(AbstractAjcCompiler.java:568)
    at org.apache.maven.plugin.DefaultBuildPluginManager.executeMojo(DefaultBuildPluginManager.java:137)
    at org.apache.maven.lifecycle.internal.MojoExecutor.execute(MojoExecutor.java:210)
    at org.apache.maven.lifecycle.internal.MojoExecutor.execute(MojoExecutor.java:156)
    at org.apache.maven.lifecycle.internal.MojoExecutor.execute(MojoExecutor.java:148)
    at org.apache.maven.lifecycle.internal.LifecycleModuleBuilder.buildProject(LifecycleModuleBuilder.java
```

```
:117)
    at org.apache.maven.lifecycle.internal.LifecycleModuleBuilder.buildProject (LifecycleModuleBuilder.java
:81)
    at org.apache.maven.lifecycle.internal.builder.singlethreaded.SingleThreadedBuilder.build (SingleThread
edBuilder.java:56)
    at org.apache.maven.lifecycle.internal.LifecycleStarter.execute (LifecycleStarter.java:128)
    at org.apache.maven.DefaultMaven.doExecute (DefaultMaven.java:305)
    at org.apache.maven.DefaultMaven.doExecute (DefaultMaven.java:192)
    at org.apache.maven.DefaultMaven.execute (DefaultMaven.java:105)
    at org.apache.maven.cli.MavenCli.execute (MavenCli.java:957)
    at org.apache.maven.cli.MavenCli.doMain (MavenCli.java:289)
    at org.apache.maven.cli.MavenCli.main (MavenCli.java:193)
    at sun.reflect.NativeMethodAccessorImpl.invoke0 (Native Method)
    at sun.reflect.NativeMethodAccessorImpl.invoke (NativeMethodAccessorImpl.java:62)
    at sun.reflect.DelegatingMethodAccessorImpl.invoke (DelegatingMethodAccessorImpl.java:43)
    at java.lang.reflect.Method.invoke (Method.java:498)
    at org.codehaus.plexus.classworlds.launcher.Launcher.launchEnhanced (Launcher.java:282)
    at org.codehaus.plexus.classworlds.launcher.Launcher.launch (Launcher.java:225)
    at org.codehaus.plexus.classworlds.launcher.Launcher.mainWithExitCode (Launcher.java:406)
    at org.codehaus.plexus.classworlds.launcher.Launcher.main (Launcher.java:347)
[ERROR] ABORT
Jan 05, 2023 5:49:00 PM org.aspectj.weaver.tools.Jdk14Trace info
INFORMATION: Dumping to c:\Users\a.mueller\eclipse\git\cdmlib2\cdmlib-model\.\ajcore.20230105.174900.124.txt
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 16.439 s
[INFO] Finished at: 2023-01-05T17:49:00+01:00
[INFO] -----
[ERROR] Failed to execute goal org.codehaus.mojo:aspectj-maven-plugin:1.14.0:compile (default) on project cdml
ib-model: AJC compiler errors:
[ERROR] abort ABORT -- (StackOverflowError) null
[ERROR] null
[ERROR] java.lang.StackOverflowError
[ERROR]     at org.aspectj.weaver.ReferenceType.setDelegate (ReferenceType.java:1015)
[ERROR]     at org.aspectj.weaver.ReferenceType.setDelegate (ReferenceType.java:1026)
[ERROR]     at org.aspectj.weaver.ReferenceType.setDelegate (ReferenceType.java:1026)
[ERROR]     at org.aspectj.weaver.ReferenceType.setDelegate (ReferenceType.java:1026)
...
```

#12 - 04/29/2023 06:52 PM - Andreas Müller

- Description updated