

Java 9 - Jigsaw

Status	DONE
Version	
Issue(s)	
Sources	
Developer(s)	Robert Scholte

Maven Plugins

Java 9 and Jigsaw, its module project, introduce changes that cause some plugin warnings ⚠️ or even failures ❌, or require upgrades to benefit from new features ➕.

groupid	artifactId	affected goal	Plugin Name	Minimum Compatible Version	Related Issues
org.apache.maven.plugins	maven-compiler-plugin	compile➕, testCompile➕	Maven Compiler Plugin	3.7.0	required to compile module-info files requires plexus-compiler 2.8.1
org.apache.maven.plugins	maven-ear-plugin	ear➕	Maven EAR Plugin	3.0.0	
org.apache.maven.plugins	maven-ejb-plugin	ejb➕	Maven EJB Plugin	3.0.0	➡ MEJB-95 - Upgrade plexus-archiver from 3.0.1 to 3.0.3 CLOSED ➕
org.apache.maven.plugins	maven-enforcer-plugin	RequireJavaVersion rule	Maven Enforcer Plugin	3.0.0-M1	
org.apache.maven.plugins	maven-failsafe-plugin	integration-test	Maven Failsafe Plugin	2.20.1 (argLine) (removed JAXB) 2.21.0 (introduced Jigsaw)	
org.apache.maven.plugins	maven-jar-plugin		Maven Jar Plugin		➡ MJAR-238 - Allow setting of module main class CLOSED ➕
org.apache.maven.plugins	maven-javadoc-plugin	jar❌, javadoc⚠️, aggregate❌	Maven Javadoc Plugin	3.0.0-M1	❌ MJAVADOC-488 - Latest jdk9 version causes StringIndexOutOfBoundsException CLOSED ❌ MJAVADOC-449 - javadoc:aggregate fails with JDK 9 CLOSED ❌ ❌ MJAVADOC-498 - "module not found" when Java 9 module-info present CLOSED ➕
org.apache.maven.plugins	maven-jdeps-plugin	jdkinternals, test-jdkinternals	Maven JDepts Plugin	3.1.0	
org.apache.maven.plugins	maven-plugin-plugin	descriptor	Maven Plugin Plugin	3.5	

org.apache.maven.plugins	maven-site-plugin	site	Maven Site Plugin	3.7	MSITE-796 - Unable to generate site with JDK9 - java.lang.ExceptionInInitializerError / Caused by: java.lang.StringIndexOutOfBoundsException: begin 0, end 3, length 1 CLOSED
org.apache.maven.plugins	maven-surefire-plugin	test	Maven Surefire Plugin	2.20.1 (argLine) (removed JAXB) 2.21.0 (introduced Jigsaw)	
org.apache.maven.plugins	maven-surefire-report-plugin		Maven Surefire Report Plugin	2.20.1	
org.apache.maven.plugins	maven-war-plugin		Maven War Plugin	3.1.0	
org.codehaus.plexus	plexus-component-metadata	generate-metadata	Plexus :: Component Metadata	1.7	#1

Components

Some issues are in components that are reused over and over

groupid	artifactId	Component Name	Minimum Compatible Version	Related Issues
org.codehaus.plexus	plexus-archiver	Plexus Archiver	3.0.3	#13
org.apache.maven.doxia	doxia-sitetools	Doxia Sitetools	1.7.5	DOXIASITETOOLS-177 - Use of commons-lang 2 causes failure with JDK 9 b175+ CLOSED

Third party components

groupid	artifactId (order by)	Minimum compatible Version	Contact	Details	Exposed when compiling
org.apache.commons	commons-utils	3.5		Parsing of "9" as Java version is broken. Any reference to SystemUtils will fail due to a static initialization.	
org.ow2.asm	asm	6.0_BETA	Remi Forax		
com.google.errorprone	error_prone_core		?	MCOMPILER-283 - JDK9+b151 Failure Running IT's CLOSED	/maven-compiler-plugin /src/it/error-prone-compiler
org.codehaus.gmaven	gmaven-plugin		?	At least start switching to https://github.com/groovy/GMavenPlus	/maven-compiler-plugin /src/it/mcompiler-21_methodname-change
org.codehaus.groovy	groovy-all	2.4.8			setup/verify-scripts used by maven-invoker-plugin
org.vafer	jdependency	1.2	Torsten Curdt		/maven-shade-plugin /src/it/mini-jar-respect-includes
com.thoughtworks.qdox	qdox	2.0-M4	Robert Scholte		
org.apache.openjpa	openjpa		Mark Struberg	MCOMPILER-283 - JDK9+b151 Failure Running IT's CLOSED	/maven-compiler-plugin /src/it/MCOMPILER-197

org-parboiled	parboiled-java	none, will be replaced.	Mathias (sirthias)	https://github.com/sirthias/parboiled/issues/104 Pegdown, which uses parboiled and is not maintained actively any more, is being replaced with flexmark-java: see DOXIA-553	doxia-module-markdown
org.eclipse.sisu	sisu-inject		Stuart McCulloch		Maven-3.4.0-SNAPSHOT
com.thoughtworks.xstream	xstream			Caused by: java.lang.reflect.InaccessibleObjectException: Unable to make field private final java.util.Comparator java.util.TreeMap.comparator accessible: module java.base does not "opens java.util" to unnamed module Happens while initializing org.apache.maven.plugins.war.util.WebappStructureSerializer. Workaround: only register the required converters	maven-war-plugin