

## z2-Environment - Feature #1991

### Java 9 Support

01.01.2018 14:41 - Henning Blohm

<b>Status:</b>	Resolved	<b>Start date:</b>	29.08.2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Henning Blohm	<b>% Done:</b>	100%
<b>Category:</b>	z2-core	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.6		
<b>origin:</b>			
<b>Description</b> See <a href="#">Java9_Support</a> .  <b>Java 9 Support (#1991)</b>  <b>Supporting the Java 9 Language</b>  We integrate ECJ version 4.7.2 from the download link below. Java 9 is fully supported since 4.7.1a ( <a href="#">New and Noteworthy 4.7.1a</a> ) <ul style="list-style-type: none"><li>• <a href="#">JDT Core 4.7.2</a></li><li>• <a href="#">New and Noteworthy 4.7.1a</a></li><li>• <a href="#">JDT Core Git</a></li><li>• <a href="#">JDT Core main</a></li><li>• <a href="#">Oxygen help</a></li></ul> We support a new LangLevel.JAVA9 and derive all compiler settings accordingly. Unfortunately using Java 9 actually requires an updated Jetty version ( <a href="#">Jetty9_4_support</a> ).  <b>Supporting the Module System</b>  Note: There will be no particular support for Java 9 modules in v2.6  The Java 9 module system provides for module level package exports and cross-module dependencies. As such it does not contradict the class loading delegation model but rather adds that dimension to the module system as <i>Layers</i> .  The module system has migration tools, such as the unnamed module (of the classloader) and automatic modules.  From a Z2 perspective it is almost a binary decision to either: <ul style="list-style-type: none"><li>a) Automatically / semi-automatically modularize all Z2 modules by typically generated module-info data and declarations that support to add legacy modules are automatic modules, or</li><li>b) go for completely automatic modules by default.</li><li>c) Ignore the Java 9 module layer and stay with unnamed modules and the existing class loader separation</li></ul> As the module system adds very little value to a Z2 modularized environment and it is currently not clear how forceful other frameworks will adapt module-info data, a first release may opt for c)  References <ul style="list-style-type: none"><li>• <a href="#">State of the module system</a></li><li>• <a href="#">Project Jigsaw</a></li><li>• <a href="#">Jigsaw delivered</a></li></ul>			
<b>Subtasks:</b>			
Feature # 1978: Support Java 9 module system			<b>Closed</b>
Feature # 1977: Support and document use of Java 9			<b>Resolved</b>
Feature # 1992: Support Java 9 Language Level			<b>Resolved</b>
<b>Related issues:</b>			

Related to z2-Environment - Improvement #1995: Upgrade Spring add-on to v 5.0....	<b>Resolved</b>	<b>06.01.2018</b>
Related to z2-Environment - Feature #2016: Java 10 support	<b>Resolved</b>	<b>01.09.2018</b>
Blocked by z2-Environment - Feature #1993: Upgrade to Jetty 9.4.8	<b>Resolved</b>	<b>18.04.2018</b>

## History

---

### #1 - 01.01.2018 15:16 - Henning Blohm

- Blocked by Feature #1993: Upgrade to Jetty 9.4.8 added

### #2 - 06.01.2018 21:42 - Henning Blohm

- Related to Improvement #1995: Upgrade Spring add-on to v 5.0.6 and Spring security to 5.0.5 added

### #3 - 14.05.2018 15:34 - Henning Blohm

- Status changed from In Progress to To Be Documented

### #4 - 01.09.2018 19:58 - Henning Blohm

- Related to Feature #2016: Java 10 support added

### #5 - 17.09.2018 10:39 - Henning Blohm

- Status changed from To Be Documented to Resolved