

## D4Science Infrastructure - Incident #9679

### TabularData: Tomcat fails to start

Sep 13, 2017 02:12 PM - Roberto Cirillo

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| <b>Status:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Closed                         | <b>Start date:</b>     | Sep 13, 2017 |
| <b>Priority:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Urgent                         | <b>Due date:</b>       |              |
| <b>Assignee:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | _InfraScience Systems Engineer | <b>% Done:</b>         | 100%         |
| <b>Category:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Application                    | <b>Estimated time:</b> | 0.00 hour    |
| <b>Target version:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UnSprintable                   |                        |              |
| <b>Infrastructure:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Pre-Production                 |                        |              |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |                        |              |
| After the last upgrade, the tomcat container fails to start with a lot of the following exceptions in the catalina.log:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                |                        |              |
| <pre>2017-09-13 14:07:58,659 [localhost-startStop-1] ERROR org.apache.catalina.startup.ContextConfig- Unable to process Jar entry [javassist/util/proxy/SerializedProxy\$1.class] from Jar [jar:file:/home/gcube/tomcat/webapps/whn-manager/WEB-INF/lib/javassist-3.20.0-GA.jar!/] for annotations java.io.EOFException     at java.io.DataInputStream.readUnsignedShort(DataInputStream.java:340)     at org.apache.tomcat.util.bcel.classfile.Utility.swallowMethodParameters(Utility.java:796)     at org.apache.tomcat.util.bcel.classfile.Attribute.readAttribute(Attribute.java:171)     at org.apache.tomcat.util.bcel.classfile.FieldOrMethod.&lt;init&gt;(FieldOrMethod.java:57)     at org.apache.tomcat.util.bcel.classfile.Method.&lt;init&gt;(Method.java:71)     at org.apache.tomcat.util.bcel.classfile.ClassParser.readMethods(ClassParser.java:267)     at org.apache.tomcat.util.bcel.classfile.ClassParser.parse(ClassParser.java:127)     at org.apache.catalina.startup.ContextConfig.processAnnotationsStream(ContextConfig.java:2058)     at org.apache.catalina.startup.ContextConfig.processAnnotationsJar(ContextConfig.java:1934)     at org.apache.catalina.startup.ContextConfig.processAnnotationsUrl(ContextConfig.java:1900)     at org.apache.catalina.startup.ContextConfig.processAnnotations(ContextConfig.java:1885)     at org.apache.catalina.startup.ContextConfig.webConfig(ContextConfig.java:1317)     at org.apache.catalina.startup.ContextConfig.configureStart(ContextConfig.java:876)     at org.apache.catalina.startup.ContextConfig.lifecycleEvent(ContextConfig.java:374)     at org.apache.catalina.util.LifecycleSupport.fireLifecycleEvent(LifecycleSupport.java:117)     at org.apache.catalina.util.LifecycleBase.fireLifecycleEvent(LifecycleBase.java:90)     at org.apache.catalina.core.StandardContext.startInternal(StandardContext.java:5378)     at org.apache.catalina.util.LifecycleBase.start(LifecycleBase.java:150)     at org.apache.catalina.core.ContainerBase.addChildInternal(ContainerBase.java:901)     at org.apache.catalina.core.ContainerBase.addChild(ContainerBase.java:877)     at org.apache.catalina.core.StandardHost.addChild(StandardHost.java:649)     at org.apache.catalina.startup.HostConfig.deployWAR(HostConfig.java:1083)     at org.apache.catalina.startup.HostConfig\$DeployWar.run(HostConfig.java:1880)     at java.util.concurrent.Executors\$RunnableAdapter.call(Executors.java:511)     at java.util.concurrent.FutureTask.run(FutureTask.java:266)     at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)     at java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624)     at java.lang.Thread.run(Thread.java:748)</pre> |                                |                        |              |
| This problem seems to be related to the current tomcat version: 7.0.55 and it seems to be fixed in the next version: 7.0.56 as reported here: <a href="http://tomcat.apache.org/tomcat-7.0-doc/changelog.html">http://tomcat.apache.org/tomcat-7.0-doc/changelog.html</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |                        |              |
| Is it possible to upgrade the tomcat container to 7.0.56 version?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |                        |              |
| The smartgears node is the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                |                        |              |
| node56.p.d4science.research-infrastructures.eu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |                        |              |
| <b>Related issues:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                |                        |              |
| Related to D4Science Infrastructure - Task #6306: Migrate development infrast...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                | Closed                 | May 09, 2017 |

### History

#1 - Sep 13, 2017 02:23 PM - Roberto Cirillo

The problem seems to be related to an incompatibility between the tomcat container and the javassist library (v 3.20) used by the smartgears

distribution

**#2 - Sep 13, 2017 02:33 PM - Roberto Cirillo**

- *Related to Task #6306: Migrate development infrastructure nodes to Java 8 added*

**#3 - Sep 13, 2017 02:37 PM - Roberto Cirillo**

As reported in this old ticket [#6306](#) this is a problem related to an incompatibility between java8, tomcat and ubuntu 12.04 distribution. So we need to upgrade this VM to ubuntu 14.04

**#4 - Sep 13, 2017 04:12 PM - Roberto Cirillo**

- *Status changed from New to Closed*

- *% Done changed from 0 to 100*

We have transferred the tabulardata service on another VM (ubuntu 14.0.4) tabulardata-pre.d4science.org and the problem is solved.