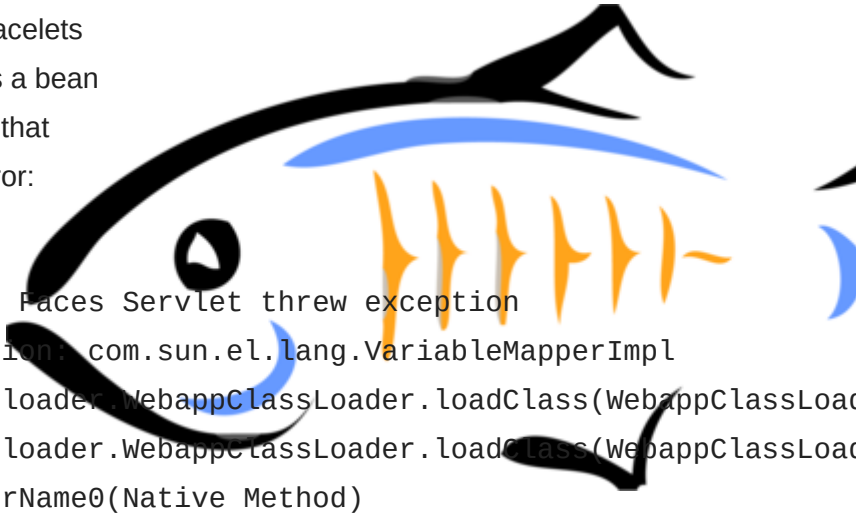
java.lang.ClassNotFoundException: com.sun.el.lang.VariableMapperImpl [Fixed] for Glassfish JSF

By Roger Keays, 18 March 2012



Using Glassfish 3.1.2, JSF 2.1.x and Facelets with client side state saving, if you pass a bean reference by EL and try to dereference that expression you will get the following error:

```
Servlet.service() for servlet Faces Servlet threw exception
java.lang.ClassNotFoundException: com.sun.el.lang.VariableMapperImpl
        at org.glassfish.web.loader.WebappClassLoader.loadClass(WebappClassLoad
        at org.glassfish.web.loader.WebappClassLoader.loadClass(WebappClassLoad
        at java.lang.Class.forName0(Native Method)
        at java.lang.Class.forName(Class.java:247)
        at com.sun.faces.renderkit.ApplicationObjectInputStream.resolveClass(Ap
        at java.io.ObjectInputStream.readNonProxyDesc(ObjectInputStream.java:15
        at java.io.ObjectInputStream.readClassDesc(ObjectInputStream.java:1495)
        at java.io.ObjectInputStream.readOrdinaryObject(ObjectInputStream.java:
        at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1328)
        at java.io.ObjectInputStream.readObject(ObjectInputStream.java:350)
        at com.sun.el.MethodExpressionImpl.readExternal(MethodExpressionImpl.ja
        at java.io.ObjectInputStream.readExternalData(ObjectInputStream.java:17
        at java.io.ObjectInputStream.readOrdinaryObject(ObjectInputStream.java:
        at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1328)
        at java.io.ObjectInputStream.readObject(ObjectInputStream.java:350)
        at com.sun.faces.facelets.el.TagMethodExpression.readExternal(TagMethod
        at java.io.ObjectInputStream.readExternalData(ObjectInputStream.java:17
        at java.io.ObjectInputStream.readOrdinaryObject(ObjectInputStream.java:
        at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1328)
        at java.io.ObjectInputStream.readArray(ObjectInputStream.java:1666)
        at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1322)
        at java.io.ObjectInputStream.readArray(ObjectInputStream.java:1666)
        at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1322)
        at java.io.ObjectInputStream.readArray(ObjectInputStream.java:1666)
        at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1322)
        at java.io.ObjectInputStream.readObject(ObjectInputStream.java:350)
```

```
        at java.util.HashMap.readObject(HashMap.java:1030)
        at sun.reflect.GeneratedMethodAccessor264.invoke(Unknown Source)
        at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAcce
        at java.lang.reflect.Method.invoke(Method.java:597)
        at java.io.ObjectStreamClass.invokeReadObject(ObjectStreamClass.java:97
        at java.io.ObjectInputStream.readSerialData(ObjectInputStream.java:1848
        at java.io.ObjectInputStream.readOrdinaryObject(ObjectInputStream.java:
        at java.io.ObjectInputStream.readObject0(ObjectInputStream.java:1328)
        at java.io.ObjectInputStream.readObject(ObjectInputStream.java:350)
        at com.sun.faces.renderkit.ClientSideStateHelper.doGetState(ClientSideS
        at com.sun.faces.renderkit.ClientSideStateHelper.getState(ClientSideSta
        at com.sun.faces.renderkit.ResponseStateManagerImpl.getState(ResponseSt
        at com.sun.faces.application.view.StateManagementStrategyImpl.restoreVi
        at com.sun.faces.application.StateManagerImpl.restoreView(StateManagerI
        at com.sun.faces.application.view.ViewHandlingStrategy.restoreView(View
        at com.sun.faces.application.view.FaceletViewHandlingStrategy.restoreVi
        at com.sun.faces.application.view.MultiViewHandler.restoreView(MultiVie
        at javax.faces.application.ViewHandlerWrapper.restoreView(ViewHandlerWr
        at javax.faces.application.ViewHandlerWrapper.restoreView(ViewHandlerWr
        at com.sun.faces.lifecycle.RestoreViewPhase.execute(RestoreViewPhase.ja
        at com.sun.faces.lifecycle.Phase.doPhase(Phase.java:101)
        at com.sun.faces.lifecycle.RestoreViewPhase.doPhase(RestoreViewPhase.ja
        at com.sun.faces.lifecycle.LifecycleImpl.execute(LifecycleImpl.java:118
        at javax.faces.webapp.FacesServlet.service(FacesServlet.java:593)
```

The workaround is to add el-ri.jar to your project. You can do it in maven like this:

```
<dependency>
  <groupId>com.sun.el</groupId>
  <artifactId>el-ri</artifactId>
  <version>1.0</version>
  <scope>compile</scope>
</dependency>
```

The problem is tracked by the JAVASERVERFACES-1828 bug.

About Roger Keays



Roger Keays is an artist, an engineer, and a student of life. He has no fixed addressand has leftfootprints on 40-something different countries around the world. Roger is addicted to surfing. His other interests are music, psychology, languages, the proper use of semicolons, and finding good food.