

## When Accessing Shared Libraries from EJB Application Getting the Error: weblogic.j2ee.dd.xml.AnnotationProcessException: [EJB:015002]Unable to load class (Doc ID 1337351.1)

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### APPLIES TO:

Oracle WebLogic Server - Version 10.3.1 and later  
Information in this document applies to any platform.

### SYMPTOMS

When deploying EJB3 Application packaged in JAR file on WLS10.3.5 and it references shared libraries through a META-INF/weblogic-application.xml file getting the following Exception:

```
[EJB:011023]An error occurred while reading the deployment descriptor. The error was: Error processing annotations: .  
Error There are 1 nested errors: weblogic.j2ee.dd.xml.AnnotationProcessException: [EJB:015002]Unable to load class "Class_Name" in Jar  
"JAR_Path/JAR_Name": java.lang.ArrayStoreException: sun.reflect.annotation.TypeNotPresentExceptionProxy
```

And the following error is visualized the console:

```
[EJB:011023]An error occurred while reading the deployment descriptor. The error was:  
Error processing annotations: .  
    at weblogic.ejb.container.deployer.EJBModule.prepare(EJBModule.java:469)  
    at weblogic.application.internal.flow.ModuleListenerInvoker.prepare(ModuleListenerInvoker.java:199)  
    at weblogic.application.internal.flow.DeploymentCallbackFlow$1.next(DeploymentCallbackFlow.java:517)  
    at weblogic.application.utils.StateMachineDriver.nextState(StateMachineDriver.java:52)  
    at weblogic.application.internal.flow.DeploymentCallbackFlow.prepare(DeploymentCallbackFlow.java:159)  
Caused By: weblogic.utils.ErrorCollectionException:  
There are 1 nested errors:
```

```
weblogic.j2ee.dd.xml.AnnotationProcessException: [EJB:015002]Unable to load class
```

## CAUSE

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It is not possible to make a shared library reference from an EJB module or EJB application packaged in JAR file as Oracle documentation states that web application libraries can only be referenced by other web applications.

## SOLUTION

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Oracle documentation states that web application libraries can only be referenced by other web applications so apply the following steps to access shared libraries:

1. Package all libraries (spring, ...) in an EAR file "EAR\_shared\_lib.ear" under APP-INF/lib
2. Package the Jar file that contains the EJB in EAR file "EAR\_EJB.ear"
3. In the file META-INF/weblogic-application.xml of EAR\_EJB.ear references the EAR\_shared\_lib.ear in a wls:library-ref tag
4. Deploy both EARs.

## REFERENCES

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[BUG:12576549](#) - CAN'T ACCESS SHARED LIBRARIES THROUGH EJB/EAR

[NOTE:1063607.1](#) - Sample on how to access WEBAPP & EJB deployed as shared libraries from an EAR file.

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