
jboss errors starting aleph: "DEPLOYMENTS MISSING DEPENDENCIES"

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 20
-

Problem Symptoms:

jboss won't start. Errors in the alias= jlog server.log:

DEPLOYMENTS MISSING DEPENDENCIES:

Deployment "CachedConnectionManager" is missing the following dependencies:

Dependency "TransactionManager" (should be in state "Configured", but is actually in state "Instantiated")

Deployment "DefaultUserTransactionprovider" is missing the following dependencies:

Dependency "<UNKNOWN DefaultUserTransactionprovider>" (should be in state "Described", but is actually in state "*** UNRESOLVED Demands 'TransactionManager' ***")

<etc.>

Cause:

1. JBoss fails to start because Aleph 20 is set up to use a Java Runtime Environment whose version (1.5.0_22) doesn't match the version of JBoss (5.1.0). The following error message at the head of the JBoss log file server.log points to the cause of the problem:

```
java.lang.UnsupportedClassVersionError: Bad version number in .class file
```

The following symbolic link was making Aleph use Java version 1.5.0_22:

```
/exlibris/aleph/a20_1/product/local/java ---> /exlibris/product/jdk1.5.0_22.i386
```

2. These messages may indicate a problem with jboss accessing certain ports.

- * jboss_conf port settings need updating, and/or
- * port 189n (1891, 1893, etc.) needs to be opened to jboss.

Resolution:

1. Change setup to use a Java Virtual Machine whose version (1.6.0_21) matches JBoss 5.1.0: change the target directory of the symbolic link above as follows:

```
/exlibris/aleph/a20_1/product/local/java ---> /exlibris/product/jdk1.6.0_20.i686
```

2. Start JBossS (with util w/3/7/9) and verify that there are no error messages in the log file server.log.

Additional Information

In the case of cause #2, the messages could indicate a problem with jboss accessing certain ports.

a. Correct settings in \$alephe_root/jboss_conf/main.properties and ./global.properties.

In ./main.properties change

from:

```
xservice.server.port=4991
```

to:

```
xservice.server.port=80
```

And in ./global.properties change

from:

```
< jndi.port=289@_AL_SUB_PORT
```

```
< rmi.port=389@_AL_SUB_PORT
```

```
< rmi.object.port=399@_AL_SUB_PORT
```

```
< webservice.port=489@_AL_SUB_PORT
```

```
< debug.port=500@_AL_SUB_PORT
```

```
< server.pool.port=689@_AL_SUB_PORT
```

```
< ajp.port=789@_AL_SUB_PORT
```

to:

```
> jndi.port=2891
```

```
> rmi.port=3891
```

```
> rmi.object.port=3991
```

```
> webservice.port=4891
```

```
> debug.port=5001
```

```
> server.pool.port=6891
```

```
> ajp.port=7891
```

* Do:

```
>> jbin
```

```
>> set globals.sh
```

as instructed in KB 16384-28513 ("Problems starting JBOSS in Aleph 18"),

b. Open the 189n port to jboss.

c. Start jboss with util w/3/7/9.

Category: Upgrade

- **Article last edited:** 10/8/2013