DataSource Versioning

Example datasource-versioning can be browsed at https://github.com/apache/tomee/tree/master/examples/datasource-versioning

This example shows you how to use versioned DataSources of the same provider using the classpath attribute.

Configuration

The DataSource configuration can be made several ways and here we layout two common methods in the form of unit tests. Before we start, if you take a peek in the project pom.xml and look for the maven-dependency-plugin usage you will see that we pull in two completely different driver files for this example.

AlternateDataSourceTest.java

This test utilizes the Arquillian testing framework. See [here](http://tomee.apache.org/arquillian-available-adapters.html) for more details.

The example uses src/test/resources/arquillian.xml and src/test/conf/tomee.xml to define the DataSources. Note the differing driver version paths, yet still using the same provider (org.apache.derby.jdbc.EmbeddedDriver):

```
<tomee>
```

```
<Resource id="DatabaseOne" type="DataSource"
classpath="${catalina.base}/../../drivers/derby-10.10.1.1.jar">
  JdbcDriver org.apache.derby.jdbc.EmbeddedDriver
  JdbcUrl jdbc:derby:databaseOne;create=true
  UserName SA
</Resource>
```

```
<Resource id="DatabaseTwo" type="DataSource"
classpath="${catalina.base}/../../drivers/derby-10.9.1.0.jar">
  JdbcDriver org.apache.derby.jdbc.EmbeddedDriver
  JdbcUrl jdbc:derby:databaseTwo;create=true
  UserName SA
</Resource>
```

```
</tomee>
```

Developer Information

When testing within a Maven environment it is also possible to use direct maven coordinates rather than a file link, like so:

```
    ....
 <Resource id="DatabaseOne" type="DataSource"
 classpath="mvn:org.apache.derby:derby:10.10.1.1">
 ....
```

AlternateDriverJarTest.java

This test takes an embedded approach and as you can see the driver paths are specified as a DataSource parameter. Both examples demonstrate the same, in that two driver versions can be loaded and used within the same application.

```java
@Configuration
public Properties config() {

    final File drivers = new File(new File("target"), "drivers").getAbsoluteFile();

    final Properties p = new Properties();
    p.put("openejb.jdbc.datasource-creator", "dbcp-alternative");

    File file = new File(drivers, "derby-10.10.1.1.jar");
    Assert.assertTrue("Failed to find: " + file, file.exists());

    p.put("JdbcOne", "new://Resource?type=DataSource&classpath="
            + file.getAbsolutePath().replace("\\", "/"));
    p.put("JdbcOne.JdbcDriver", "org.apache.derby.jdbc.EmbeddedDriver");
    p.put("JdbcOne.JdbcUrl", "jdbc:derby:memory:JdbcOne;create=true");
    p.put("JdbcOne.UserName", USER);
    p.put("JdbcOne.Password", PASSWORD);
    p.put("JdbcOne.JtaManaged", "false");

    file = new File(drivers, "derby-10.9.1.0.jar");
    Assert.assertTrue("Failed to find: " + file, file.exists());

    p.put("JdbcTwo", "new://Resource?type=DataSource&classpath="
            + file.getAbsolutePath().replace("\\", "/"));
    p.put("JdbcTwo.JdbcDriver", "org.apache.derby.jdbc.EmbeddedDriver");
    p.put("JdbcTwo.JdbcUrl", "jdbc:derby:memory:JdbcTwo;create=true");
    p.put("JdbcTwo.UserName", USER);
    p.put("JdbcTwo.Password", PASSWORD);
    p.put("JdbcTwo.JtaManaged", "false");
    return p;
}
```

Full Test Source for AlternateDataSourceTest.java

```java
package org.superbiz;

import org.jboss.arquillian.container.test.api.Deployment;
import org.jboss.arquillian.junit.Arquillian;
import org.jboss.shrinkwrap.api.ShrinkWrap;
import org.jboss.shrinkwrap.api.asset.ClassLoaderAsset;
import org.jboss.shrinkwrap.api.spec.WebArchive;
import org.junit.Assert;
import org.junit.Test;
import org.junit.runner.RunWith;
```

```java
import javax.annotation.Resource;
import javax.ejb.EJB;
import javax.ejb.Stateless;
import javax.sql.DataSource;
import java.sql.Connection;
import java.sql.DatabaseMetaData;
import java.sql.SQLException;

@RunWith(Arquillian.class)
public class AlternateDataSourceTest {

    @Deployment
    public static WebArchive createDeployment() {

        return ShrinkWrap.create(WebArchive.class, "test.war")
            .addClasses(DataSourceTester.class)
            .addAsResource(new ClassLoaderAsset("META-INF/ejb-jar.xml"), "META-
INF/ejb-jar.xml");
        //We are using src/test/conf/tomee.xml, but this also works -
.addAsResource(new ClassLoaderAsset("META-INF/resources.xml"), "META-
INF/resources.xml");
        //Or even using a persistence context - .addAsResource(new
ClassLoaderAsset("META-INF/persistence.xml"), "META-INF/persistence.xml");
    }

    @EJB
    private DataSourceTester tester;

    @Test
    public void testDataSourceOne() throws Exception {
        Assert.assertEquals("Should be using 10.10.1.1 - (1458268)", "10.10.1.1 -
(1458268)", tester.getOne());
    }

    @Test
    public void testDataSourceTwo() throws Exception {
        Assert.assertEquals("Should be using 10.9.1.0 - (1344872)", "10.9.1.0 -
(1344872)", tester.getTwo());
    }

    @Test
    public void testDataSourceBoth() throws Exception {
        Assert.assertEquals("Should be using 10.10.1.1 - (1458268)|10.9.1.0 -
(1344872)", "10.10.1.1 - (1458268)|10.9.1.0 - (1344872)", tester.getBoth());
    }

    @Stateless
    public static class DataSourceTester {

        @Resource(name = "DatabaseOne")
        DataSource dataSourceOne;
```

```
        @Resource(name = "DatabaseTwo")
        DataSource dataSourceTwo;

        public String getOne() throws Exception {
            return getVersion(dataSourceOne);
        }

        public String getTwo() throws Exception {
            return getVersion(dataSourceTwo);
        }

        public String getBoth() throws Exception {
            return getOne() + "|" + getTwo();
        }

        private static String getVersion(final DataSource ds) throws SQLException {
            Connection con = null;
            try {
                con = ds.getConnection();
                final DatabaseMetaData md = con.getMetaData();
                return md.getDriverVersion();
            } finally {
                if (con != null) {
                    con.close();
                }
            }
        }
    }
}
```

Running

```
--------------------------------------------------------
 T E S T S
--------------------------------------------------------
Running org.superbiz.AlternateDataSourceTest
Apr 17, 2014 2:19:45 PM org.apache.openejb.arquillian.common.Setup findHome
INFO: Unable to find home in: C:\dev\svn\tomee\examples\datasource-
versioning\target\apache-tomee-remote
Apr 17, 2014 2:19:45 PM org.apache.openejb.arquillian.common.MavenCache getArtifact
INFO: Downloading org.apache.openejb:apache-tomee:1.6.1-SNAPSHOT:zip:webprofile please
wait...
Apr 17, 2014 2:19:45 PM org.apache.openejb.arquillian.common.Zips unzip
INFO: Extracting 'C:\Users\Andy\.m2\repository\org\apache\openejb\apache-tomee\1.6.1-
SNAPSHOT\apache-tomee-1.6.1-SNAPSHOT-webprofile.zip' to
'C:\dev\svn\tomee\examples\datasource-versioning\target\apache-tomee-remote'
Apr 17, 2014 2:19:47 PM org.apache.tomee.arquillian.remote.RemoteTomEEContainer
```

```
configure
INFO: Downloaded container to: C:\dev\svn\tomee\examples\datasource-
versioning\target\apache-tomee-remote\apache-tomee-webprofile-1.6.1-SNAPSHOT
INFO - The APR based Apache Tomcat Native library which allows optimal performance in
production environments was not found on the java.library.path: C:\Program
Files\Java\jdk1.7.0_45\jre\bin;C:\WINDOWS\Sun\Java\bin;C:\WINDOWS\system32;C:\WINDOWS;
C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\System32\Wbem;C:\WINDOWS\System32\WindowsPow
erShell\v1.0\;C:\Program Files (x86)\Windows Live\Shared;C:\Program Files (x86)\ATI
Technologies\ATI.ACE\Core-Static;C:\Program Files\SlikSvn\bin;C:\dev\apache-maven-
3.2.1\bin;C:\dev\apache-ant-1.9.3\bin;C:\Program Files (x86)\Git\cmd;C:\Program Files
(x86)\Git\bin;C:\Program Files\TortoiseGit\bin;C:\Program Files\TortoiseSVN\bin;.
INFO - Initializing ProtocolHandler ["http-bio-55243"]
INFO - Initializing ProtocolHandler ["ajp-bio-55245"]
INFO - Using 'openejb.jdbc.datasource-
creator=org.apache.tomee.jdbc.TomEEDataSourceCreator'
INFO - Optional service not installed: org.apache.tomee.webservices.TomeeJaxRsService
INFO - Optional service not installed: org.apache.tomee.webservices.TomeeJaxWsService
INFO -
*****************************************************************************
INFO - OpenEJB http://tomee.apache.org/
INFO - Startup: Thu Apr 17 14:19:55 CEST 2014
INFO - Copyright 1999-2013 (C) Apache OpenEJB Project, All Rights Reserved.
INFO - Version: 7.0.0-SNAPSHOT
INFO - Build date: 20140417
INFO - Build time: 01:37
INFO -
*****************************************************************************
INFO - openejb.home = C:\dev\svn\tomee\examples\datasource-versioning\target\apache-
tomee-remote\apache-tomee-webprofile-1.6.1-SNAPSHOT
INFO - openejb.base = C:\dev\svn\tomee\examples\datasource-versioning\target\apache-
tomee-remote\apache-tomee-webprofile-1.6.1-SNAPSHOT
INFO - Created new singletonService
org.apache.openejb.cdi.ThreadSingletonServiceImpl@22c2e2dd
INFO - Succeeded in installing singleton service
INFO - openejb configuration file is 'C:\dev\svn\tomee\examples\datasource-
versioning\target\apache-tomee-remote\apache-tomee-webprofile-1.6.1-
SNAPSHOT\conf\tomee.xml'
INFO - Configuring Service(id=Tomcat Security Service, type=SecurityService, provider-
id=Tomcat Security Service)
INFO - Configuring Service(id=Default Transaction Manager, type=TransactionManager,
provider-id=Default Transaction Manager)
INFO - Configuring Service(id=DatabaseOne, type=Resource, provider-id=Default JDBC
Database)
INFO - Configuring Service(id=DatabaseTwo, type=Resource, provider-id=Default JDBC
Database)
INFO - Using 'openejb.system.apps=true'
INFO - Configuring enterprise application: openejb
INFO - Using openejb.deploymentId.format '{ejbName}'
INFO - Auto-deploying ejb openejb/Deployer: EjbDeployment(deployment-
id=openejb/Deployer)
INFO - Auto-deploying ejb openejb/ConfigurationInfo: EjbDeployment(deployment-
```

```
id=openejb/ConfigurationInfo)
INFO - Auto-deploying ejb MEJB: EjbDeployment(deployment-id=MEJB)
INFO - Configuring Service(id=Default Stateless Container, type=Container, provider-
id=Default Stateless Container)
INFO - Auto-creating a container for bean openejb/Deployer: Container(type=STATELESS,
id=Default Stateless Container)
INFO - Enterprise application "openejb" loaded.
INFO - Creating TransactionManager(id=Default Transaction Manager)
INFO - Creating SecurityService(id=Tomcat Security Service)
INFO - Creating Resource(id=DatabaseOne)
INFO - Disabling testOnBorrow since no validation query is provided
INFO - Creating Resource(id=DatabaseTwo)
INFO - Disabling testOnBorrow since no validation query is provided
INFO - Creating Container(id=Default Stateless Container)
INFO - Assembling app: openejb
INFO - Using 'openejb.jndiname.format={deploymentId}{interfaceType.openejbLegacyName}'
INFO - Jndi(name=openejb/DeployerBusinessRemote) --> Ejb(deployment-
id=openejb/Deployer)
INFO -
Jndi(name=global/openejb/openejb/Deployer!org.apache.openejb.assembler.Deployer) -->
Ejb(deployment-id=openejb/Deployer)
INFO - Jndi(name=global/openejb/openejb/Deployer) --> Ejb(deployment-
id=openejb/Deployer)
INFO - Jndi(name=openejb/ConfigurationInfoBusinessRemote) --> Ejb(deployment-
id=openejb/ConfigurationInfo)
INFO -
Jndi(name=global/openejb/openejb/ConfigurationInfo!org.apache.openejb.assembler.classi
c.cmd.ConfigurationInfo) --> Ejb(deployment-id=openejb/ConfigurationInfo)
INFO - Jndi(name=global/openejb/openejb/ConfigurationInfo) --> Ejb(deployment-
id=openejb/ConfigurationInfo)
INFO - Jndi(name=MEJB) --> Ejb(deployment-id=MEJB)
INFO - Jndi(name=global/openejb/MEJB!javax.management.j2ee.ManagementHome) -->
Ejb(deployment-id=MEJB)
INFO - Jndi(name=global/openejb/MEJB) --> Ejb(deployment-id=MEJB)
INFO - Created Ejb(deployment-id=openejb/Deployer, ejb-name=openejb/Deployer,
container=Default Stateless Container)
INFO - Created Ejb(deployment-id=MEJB, ejb-name=MEJB, container=Default Stateless
Container)
INFO - Created Ejb(deployment-id=openejb/ConfigurationInfo, ejb-
name=openejb/ConfigurationInfo, container=Default Stateless Container)
INFO - Started Ejb(deployment-id=openejb/Deployer, ejb-name=openejb/Deployer,
container=Default Stateless Container)
INFO - Started Ejb(deployment-id=MEJB, ejb-name=MEJB, container=Default Stateless
Container)
INFO - Started Ejb(deployment-id=openejb/ConfigurationInfo, ejb-
name=openejb/ConfigurationInfo, container=Default Stateless Container)
INFO - Deployed
MBean(openejb.user.mbeans:application=openejb,group=org.apache.openejb.assembler.monit
oring,name=JMXDeployer)
INFO - Deployed Application(path=openejb)
INFO -   ** Bound Services **
```

```
INFO -   NAME                    IP              PORT
INFO - -------
INFO - Ready!
INFO - Initialization processed in 7959 ms
INFO - Importing a Tomcat Resource with id 'UserDatabase' of type
'org.apache.catalina.UserDatabase'.
INFO - Creating Resource(id=UserDatabase)
INFO - Starting service Catalina
INFO - Starting Servlet Engine: Apache Tomcat (TomEE)/7.0.53 (1.6.1-SNAPSHOT)
INFO - Starting ProtocolHandler ["http-bio-55243"]
INFO - Starting ProtocolHandler ["ajp-bio-55245"]
INFO - Server startup in 288 ms
WARNING - StandardServer.await: Invalid command '' received
Apr 17, 2014 2:20:04 PM org.apache.openejb.client.EventLogger log
INFO: RemoteInitialContextCreated{providerUri=http://localhost:55243/tomee/ejb}
INFO - Extracting jar: C:\dev\svn\tomee\examples\datasource-
versioning\target\arquillian-test-working-dir\0\test.war
INFO - Extracted path: C:\dev\svn\tomee\examples\datasource-
versioning\target\arquillian-test-working-dir\0\test
INFO - using default host: localhost
INFO - ----------------------- localhost -> /test
INFO - Using
'openejb.session.manager=org.apache.tomee.catalina.session.QuickSessionManager'
INFO - Configuring enterprise application: C:\dev\svn\tomee\examples\datasource-
versioning\target\arquillian-test-working-dir\0\test
INFO - Auto-deploying ejb DataSourceTester: EjbDeployment(deployment-
id=DataSourceTester)
INFO - Auto-linking resource-ref 'java:comp/env/DatabaseTwo' in bean DataSourceTester
to Resource(id=DatabaseTwo)
INFO - Auto-linking resource-ref 'java:comp/env/DatabaseOne' in bean DataSourceTester
to Resource(id=DatabaseOne)
INFO - Configuring Service(id=Default Managed Container, type=Container, provider-
id=Default Managed Container)
INFO - Auto-creating a container for bean org.superbiz.AlternateDataSourceTest:
Container(type=MANAGED, id=Default Managed Container)
INFO - Creating Container(id=Default Managed Container)
INFO - Using directory C:\dev\svn\tomee\examples\datasource-versioning\target\apache-
tomee-remote\apache-tomee-webprofile-1.6.1-SNAPSHOT\temp for stateful session
passivation
INFO - Enterprise application "C:\dev\svn\tomee\examples\datasource-
versioning\target\arquillian-test-working-dir\0\test" loaded.
INFO - Assembling app: C:\dev\svn\tomee\examples\datasource-
versioning\target\arquillian-test-working-dir\0\test
INFO - Jndi(name=DataSourceTesterLocalBean) --> Ejb(deployment-id=DataSourceTester)
INFO -
Jndi(name=global/test/DataSourceTester!org.superbiz.AlternateDataSourceTest$DataSource
Tester) --> Ejb(deployment-id=DataSourceTester)
INFO - Jndi(name=global/test/DataSourceTester) --> Ejb(deployment-id=DataSourceTester)
INFO - Existing thread singleton service in SystemInstance():
org.apache.openejb.cdi.ThreadSingletonServiceImpl@22c2e2dd
INFO - OpenWebBeans Container is starting...
```

```
INFO - Adding OpenWebBeansPlugin : [CdiPlugin]
INFO - All injection points were validated successfully.
INFO - OpenWebBeans Container has started, it took 203 ms.
INFO - Created Ejb(deployment-id=DataSourceTester, ejb-name=DataSourceTester,
container=Default Stateless Container)
INFO - Started Ejb(deployment-id=DataSourceTester, ejb-name=DataSourceTester,
container=Default Stateless Container)
INFO - Deployed Application(path=C:\dev\svn\tomee\examples\datasource-
versioning\target\arquillian-test-working-dir\0\test)
Apr 17, 2014 2:20:11 PM org.apache.openejb.client.EventLogger log
INFO: RemoteInitialContextCreated{providerUri=http://localhost:55243/tomee/ejb}
INFO - Undeploying app: C:\dev\svn\tomee\examples\datasource-
versioning\target\arquillian-test-working-dir\0\test
Apr 17, 2014 2:20:13 PM org.apache.openejb.arquillian.common.TomEEContainer undeploy
INFO: cleaning C:\dev\svn\tomee\examples\datasource-versioning\target\arquillian-test-
working-dir\0
Tests run: 3, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 30.155 sec
Running org.superbiz.AlternateDriverJarTest
Apr 17, 2014 2:20:13 PM org.apache.openejb.config.ConfigUtils searchForConfiguration
INFO: Cannot find the configuration file [conf/openejb.xml].  Will attempt to create
one for the beans deployed.
Apr 17, 2014 2:20:13 PM org.apache.openejb.config.ConfigurationFactory
configureService
INFO: Configuring Service(id=Default Security Service, type=SecurityService, provider-
id=Default Security Service)
Apr 17, 2014 2:20:13 PM org.apache.openejb.config.ConfigurationFactory
configureService
INFO: Configuring Service(id=Default Transaction Manager, type=TransactionManager,
provider-id=Default Transaction Manager)
Apr 17, 2014 2:20:13 PM org.apache.openejb.config.ConfigurationFactory
configureService
INFO: Configuring Service(id=JdbcTwo, type=Resource, provider-id=Default JDBC
Database)
Apr 17, 2014 2:20:13 PM org.apache.openejb.config.ConfigurationFactory
configureService
INFO: Configuring Service(id=JdbcOne, type=Resource, provider-id=Default JDBC
Database)
Apr 17, 2014 2:20:13 PM org.apache.openejb.assembler.classic.Assembler createRecipe
INFO: Creating TransactionManager(id=Default Transaction Manager)
Apr 17, 2014 2:20:14 PM org.apache.openejb.assembler.classic.Assembler createRecipe
INFO: Creating SecurityService(id=Default Security Service)
Apr 17, 2014 2:20:14 PM org.apache.openejb.assembler.classic.Assembler createRecipe
INFO: Creating Resource(id=JdbcTwo)
Apr 17, 2014 2:20:15 PM org.apache.openejb.assembler.classic.Assembler createRecipe
INFO: Creating Resource(id=JdbcOne)
Apr 17, 2014 2:20:16 PM org.apache.openejb.config.ConfigurationFactory
configureApplication
INFO: Configuring enterprise application: C:\dev\svn\tomee\examples\datasource-
versioning\AlternateDriverJarTest
Apr 17, 2014 2:20:16 PM org.apache.openejb.config.ConfigurationFactory
configureService
```

```
INFO: Configuring Service(id=Default Managed Container, type=Container, provider-
id=Default Managed Container)
Apr 17, 2014 2:20:16 PM org.apache.openejb.config.AutoConfig createContainer
INFO: Auto-creating a container for bean org.superbiz.AlternateDriverJarTest:
Container(type=MANAGED, id=Default Managed Container)
Apr 17, 2014 2:20:16 PM org.apache.openejb.assembler.classic.Assembler createRecipe
INFO: Creating Container(id=Default Managed Container)
Apr 17, 2014 2:20:16 PM org.apache.openejb.core.managed.SimplePassivater init
INFO: Using directory C:\Users\Andy\AppData\Local\Temp for stateful session
passivation
Apr 17, 2014 2:20:16 PM org.apache.openejb.config.ConfigurationFactory
configureService
INFO: Configuring Service(id=Default Singleton Container, type=Container, provider-
id=Default Singleton Container)
Apr 17, 2014 2:20:16 PM org.apache.openejb.config.AutoConfig createContainer
INFO: Auto-creating a container for bean JdbcOne: Container(type=SINGLETON, id=Default
Singleton Container)
Apr 17, 2014 2:20:16 PM org.apache.openejb.assembler.classic.Assembler createRecipe
INFO: Creating Container(id=Default Singleton Container)
Apr 17, 2014 2:20:16 PM org.apache.openejb.config.AutoConfig processResourceRef
INFO: Auto-linking resource-ref 'java:comp/env/JdbcOne' in bean JdbcOne to
Resource(id=JdbcOne)
Apr 17, 2014 2:20:16 PM org.apache.openejb.config.AutoConfig processResourceRef
INFO: Auto-linking resource-ref 'java:comp/env/JdbcTwo' in bean JdbcTwo to
Resource(id=JdbcTwo)
Apr 17, 2014 2:20:16 PM org.apache.openejb.config.AppInfoBuilder build
INFO: Enterprise application "C:\dev\svn\tomee\examples\datasource-
versioning\AlternateDriverJarTest" loaded.
Apr 17, 2014 2:20:16 PM org.apache.openejb.assembler.classic.Assembler
createApplication
INFO: Assembling app: C:\dev\svn\tomee\examples\datasource-
versioning\AlternateDriverJarTest
Apr 17, 2014 2:20:16 PM org.apache.openejb.assembler.classic.JndiBuilder bind
INFO: Jndi(name=JdbcOneLocalBean) --> Ejb(deployment-id=JdbcOne)
Apr 17, 2014 2:20:16 PM org.apache.openejb.assembler.classic.JndiBuilder bind
INFO:
Jndi(name=global/AlternateDriverJarTest/app/JdbcOne!org.superbiz.AlternateDriverJarTes
t$JdbcOne) --> Ejb(deployment-id=JdbcOne)
Apr 17, 2014 2:20:16 PM org.apache.openejb.assembler.classic.JndiBuilder bind
INFO: Jndi(name=global/AlternateDriverJarTest/app/JdbcOne) --> Ejb(deployment-
id=JdbcOne)
Apr 17, 2014 2:20:16 PM org.apache.openejb.assembler.classic.JndiBuilder bind
INFO: Jndi(name=JdbcTwoLocalBean) --> Ejb(deployment-id=JdbcTwo)
Apr 17, 2014 2:20:16 PM org.apache.openejb.assembler.classic.JndiBuilder bind
INFO:
Jndi(name=global/AlternateDriverJarTest/app/JdbcTwo!org.superbiz.AlternateDriverJarTes
t$JdbcTwo) --> Ejb(deployment-id=JdbcTwo)
Apr 17, 2014 2:20:16 PM org.apache.openejb.assembler.classic.JndiBuilder bind
INFO: Jndi(name=global/AlternateDriverJarTest/app/JdbcTwo) --> Ejb(deployment-
id=JdbcTwo)
Apr 17, 2014 2:20:16 PM org.apache.openejb.cdi.CdiBuilder initializeOWB
```

```
INFO: Created new singletonService
org.apache.openejb.cdi.ThreadSingletonServiceImpl@5ddd4e70
Apr 17, 2014 2:20:16 PM org.apache.openejb.cdi.CdiBuilder initializeOWB
INFO: Succeeded in installing singleton service
Apr 17, 2014 2:20:17 PM org.apache.openejb.cdi.OpenEJBLifecycle startApplication
INFO: OpenWebBeans Container is starting...
Apr 17, 2014 2:20:17 PM org.apache.webbeans.plugins.PluginLoader startUp
INFO: Adding OpenWebBeansPlugin : [CdiPlugin]
Apr 17, 2014 2:20:17 PM org.apache.webbeans.config.BeansDeployer
validateInjectionPoints
INFO: All injection points were validated successfully.
Apr 17, 2014 2:20:17 PM org.apache.openejb.cdi.OpenEJBLifecycle startApplication
INFO: OpenWebBeans Container has started, it took 223 ms.
Apr 17, 2014 2:20:17 PM org.apache.openejb.assembler.classic.Assembler startEjbs
INFO: Created Ejb(deployment-id=JdbcTwo, ejb-name=JdbcTwo, container=Default Singleton
Container)
Apr 17, 2014 2:20:17 PM org.apache.openejb.assembler.classic.Assembler startEjbs
INFO: Created Ejb(deployment-id=JdbcOne, ejb-name=JdbcOne, container=Default Singleton
Container)
Apr 17, 2014 2:20:17 PM org.apache.openejb.assembler.classic.Assembler startEjbs
INFO: Started Ejb(deployment-id=JdbcTwo, ejb-name=JdbcTwo, container=Default Singleton
Container)
Apr 17, 2014 2:20:17 PM org.apache.openejb.assembler.classic.Assembler startEjbs
INFO: Started Ejb(deployment-id=JdbcOne, ejb-name=JdbcOne, container=Default Singleton
Container)
Apr 17, 2014 2:20:17 PM org.apache.openejb.assembler.classic.Assembler
createApplication
INFO: Deployed Application(path=C:\dev\svn\tomee\examples\datasource-
versioning\AlternateDriverJarTest)
Apr 17, 2014 2:20:20 PM org.apache.openejb.assembler.classic.Assembler
destroyApplication
INFO: Undeploying app: C:\dev\svn\tomee\examples\datasource-
versioning\AlternateDriverJarTest
Apr 17, 2014 2:20:20 PM org.apache.openejb.assembler.classic.Assembler destroyResource
INFO: Closing DataSource: JdbcTwo
Apr 17, 2014 2:20:20 PM org.apache.openejb.assembler.classic.Assembler destroyResource
INFO: Closing DataSource: JdbcOne
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 7.857 sec
INFO - A valid shutdown command was received via the shutdown port. Stopping the
Server instance.
INFO - Pausing ProtocolHandler ["http-bio-55243"]
INFO - Pausing ProtocolHandler ["ajp-bio-55245"]
INFO - Stopping service Catalina
INFO - Stopping ProtocolHandler ["http-bio-55243"]
INFO - Stopping ProtocolHandler ["ajp-bio-55245"]
INFO - Stopping server services
INFO - Undeploying app: openejb
INFO - Closing DataSource: DatabaseOne
INFO - Closing DataSource: DatabaseTwo
INFO - Destroying ProtocolHandler ["http-bio-55243"]
INFO - Destroying ProtocolHandler ["ajp-bio-55245"]
```

```
Results :

Tests run: 4, Failures: 0, Errors: 0, Skipped: 0
```