

Installing the Natural Web I/O Interface Client on JBoss Application Server

If you want to use the Natural Web I/O Interface client with JBoss Application Server, you must proceed as described in this chapter. The following topics are covered:

- Installation Steps
 - Installation Verification
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Installation Steps

Only one version of the Natural Web I/O Interface client can be installed on the same JBoss Application Server.

You can either install the Natural Web I/O Interface client or Natural for Ajax on the same JBoss Application Server, not both.

It is assumed that `<jboss>` is the directory of your JBoss Application Server installation.

The following topics are covered below:

- First-time Installation
- Update Installation

First-time Installation

To install the Natural Web I/O Interface client

1. Download the Natural Web I/O Interface client for JBoss Application Server from Empower (<https://empower.softwareag.com/>) and unzip the contents to a directory of your choice on your hard disk.

Or:

Natural for UNIX, Natural for OpenVMS and Natural for Windows: Copy the complete contents of the `nwo/<platform>/j2ee/v<nnnn>/jboss` directory from the installation medium to a directory of your choice on your hard disk.

2. On UNIX platforms: Dearchive the TAR file using the following command:

```
tar -xvf nwonnnn.tar
```

3. Install Apache Ant (you need Apache Ant to deploy the Natural Web I/O Interface client to the JBoss Application Server; see the *Prerequisites* above for the required version number):

1. Download and unzip Apache Ant (from <http://ant.apache.org/>) into an installation directory of your choice. Avoid a directory name that contains blanks.
 2. Let the environment variable ANT_HOME point to the directory `<ant>` (where `<ant>` is the directory of your Ant installation).
 3. Add `<ant>/bin` to your PATH environment variable.
4. Deploy the Natural Web I/O Interface client to JBoss Application Server:

1. Copy the the Natural Web I/O Interface client distributables to a directory on a disk drive.
2. In the directory that contains the the Natural Web I/O Interface client distributables, there is an Ant script named `jbosdeploynwo.xml`. Edit this script and change the setting

```
<property name="jbossHome" value="C:/Program Files/Java/jboss-4.0.5"/>
```

to

```
<property name="jbossHome" value="<jboss>"/>
```

where `<jboss>` is your JBoss Application Server installation directory.

Important:

Take care to use forward slashes (also on Windows) when specifying the directory path.

3. Execute the script `jbosdeploynwo.xml` by entering the following command:

```
ant -f jbosdeploynwo.xml
```

Wait for the message "BUILD SUCCESSFUL". This indicates that the deployment was successful.

5. Edit the file `<jboss>/server/default/deploy/jbossjca-service.xml` and change the setting

```
<!-- Enable connection close debug monitoring -->
<attribute name="Debug">true</attribute>
```

to

```
<!-- Enable connection close debug monitoring -->
<attribute name="Debug">false</attribute>
```

6. JBoss Application Server 4.0.5 only: Edit the file `<jboss>/server/default/deploy/natuniapp.ear/natuniweb.war/WEB-INF/web.xml` and uncomment the section

```
<!--
Uncomment the next lines, in case the configuration tool is installed on a JBOSS 4.0.5.GA
<listener>
  <listener-class>org.apache.myfaces.webapp.StartupServletContextListener</listener-class>
</listener>
-->
```

so that it looks as follows:

```
<listener>
  <listener-class>org.apache.myfaces.webapp.StartupServletContextListener</listener-class>
</listener>
```

Important:

For JBoss Application Server 4.2, you must not remove this comment.

7. Start JBoss Application Server.

Update Installation

► To update the Natural Web I/O Interface client

1. Download the Natural Web I/O Interface client for JBoss Application Server from Empower (<https://empower.softwareag.com/>) and unzip the contents to a directory of your choice on your hard disk.

Or:

Natural for UNIX, Natural for OpenVMS and Natural for Windows: Copy the complete contents of the `nwo/<platform>/j2ee/v<nnnn>/jboss` directory from the installation medium to a directory of your choice on your hard disk.

2. On UNIX platforms: Dearchive the TAR file using the following command:

```
tar -xvf nwonnnn.tar
```

3. Shut down JBoss Application Server.
4. Deploy the Natural Web I/O Interface client to JBoss Application Server as in a first-time installation.
5. Make sure that the file `<jboss>/server/default/deploy/jbossjca-service.xml` contains the same settings as described for a first-time installation.
6. JBoss Application Server 4.0.5 only: Make sure that the file `<jboss>/server/default/deploy/natuniapp.ear/natuniweb.war/WEB-INF/web.xml` contains the same settings as described for a first-time installation.
7. Start JBoss Application Server.

Installation Verification

It is assumed that `http://<host>:<port>` is the URL of your application server.

► To verify the installation

1. Enter the following URL in your web browser:

```
http://<host>:<port>/natuniweb/natural.jsp
```

For example:

```
http://myhost:8080/natuniweb/natural.jsp
```

The Natural Web I/O Interface client is now started in your browser. The entries which appear in the resulting logon page depend on the settings in your configuration file. For further information, see *Configuring the Client*.