

4. Installing the NMR in Equinox

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This page is outdated and needs to be reworked.
Some work has been done inside the Eclipse Swordfish project ...

Installation

Here are the required steps to install the NMR and JBI layer in Equinox:

- create a new folder
- create a subfolder named `system` and another one named `configuration`
- create a file named `configuration/config.ini` in this folder and paste the contents from [config.ini](#)
- download the equinox framework jar (`org.eclipse.osgi_xxx.jar`) from [here](#)
- in the system folder, you need to download and put all the files listed in the configuration file. These files are available from [Equinox](#), [Orbit](#), the [maven central repo](#) and [ServiceMix maven2 repo](#)

The `config.ini` file can be downloaded from [config.ini](#).

You can find a shell script for unix based OS to set up the whole environment [here](#). If you're on Windows, grab it nonetheless but download all the jars manually using the URLs in this file.

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Running Equinox

Run the following command:

```
java -jar org.eclipse.osgi_3.3.2.R33x_v20080105.jar -console
```

and the NMR and JBI layer should be started.

Installing a JBI application

In the console, run the following commands:

```
install jbi:http://repo1.maven.org/maven2/org/apache/servicemix/servicemix-shared-compat/3.2.1/servicemix-shared-compat-3.2.1-installer.zip install jbi:http://repo1.maven.org/maven2/org/apache/servicemix/servicemix-jsr181/3.2.1/servicemix-jsr181-3.2.1-installer.zip install jbi:http://repo1.maven.org/maven2/org/apache/servicemix/servicemix-http/3.2.1/servicemix-http-3.2.1-installer.zip install jbi:http://repo1.maven.org/maven2/org/apache/servicemix/samples/wsd-first/wsd-first-sa/3.2.1/wsd-first-sa-3.2.1.zip
```

Use the `ss` command to find the IDs of the four installed bundles and start them:

```
start xxx
```

Below is an example of the output of the start command:

```
osgi> start 27 May 15, 2008 3:10:14 PM org.apache.servicemix.jbi.deployer.impl.Deployer installSharedLibrary INFO: Deploying bundle 'null (servicemix-shared)' as a JBI shared library osgi> start 28 May 15, 2008 3:10:18 PM org.apache.servicemix.jbi.deployer.impl.Deployer installComponent INFO: Deploying bundle 'null (servicemix-jsr181)' as a JBI component May 15, 2008 3:10:22 PM org.apache.servicemix.jbi.runtime.impl.ComponentRegistryImpl doRegister INFO: JBI component registered with properties: {NAME=servicemix-jsr181, TYPE=service-engine, objectClass=[Ljava.lang.String;@5b2fd8, service.id=37} log4j:WARN No appenders could be found for logger (org.apache.servicemix.jsr181.Jsr181Component). log4j:WARN Please initialize the log4j system properly. osgi> start 29 May 15, 2008 3:10:26 PM org.apache.servicemix.jbi.deployer.impl.Deployer installComponent INFO: Deploying bundle 'null (servicemix-http)' as a JBI component May 15, 2008 3:10:26 PM org.apache.servicemix.jbi.runtime.impl.ComponentRegistryImpl doRegister INFO: JBI component registered with properties: {NAME=servicemix-http, TYPE=binding-component, objectClass=[Ljava.lang.String;@ef33ad, service.id=41} osgi> start 30 May 15, 2008 3:10:30 PM org.apache.servicemix.jbi.deployer.impl.Deployer deployServiceAssembly INFO: Deploying bundle 'null (wsdl-first-sa)' as a JBI service assembly
```

Starting the JBI application

The JBI application has been automatically started, so now, just point your web browser to:

```
http://localhost:8192/
```