

## 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This page is outdated and needs to be reworked.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/wsd1-first/wsd1-first-sa/3.2.1/wsd1-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/>