

Code Execution Guide

Following component is needed for deploying NumberSorting.ear:

- JRE 1.8_91
- JBoss 6.3.0 EAP as application server

Please follow following steps to deploy NumberSorting.ear:

1. Create a database in oracle database server and execute database script (File name: **NumberSortingDBScript.sql**).
2. Setup JBoss 6.3.0 EAP as application server using standalone mode and create management user by executing **add-user.bat** file present in **%JBOSS_HOME%\bin** directory.
3. Place **log4jConfig.xml** in **%JBOSS_HOME%\bin** directory.
4. Place **numbersorting** folder in **%JBOSS_HOME%\modules\system\layers\base\com** directory.
5. Place **oracle** folder in **%JBOSS_HOME%\modules\system\layers\base\org** directory.
6. Edit **standalone.xml** file placed in **%JBOSS_HOME%\standalone\configuration** to include the following entry under drivers tag

```
<driver name="oracle" module="org.oracle">  
    <driver-class>oracle.jdbc.OracleDriver</driver-class>  
</driver>
```

7. Restart the server and login into admin console using management user.
8. Create and test data source using **oracle** as driver and **java:jboss/NumberSorting** as JNDI name.
9. Deploy NumberSortingEAR.