

## 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-eap-6.3\bin** directory.
3. Place **log4jConfig.xml** in **jboss-eap-6.3\bin** directory.
4. Place **numbersorting** folder in **jboss-eap-6.3\modules\system\layers\base\com** directory.
5. Collect all jars mentioned in resources tag of **module.xml** file placed at **jboss-eap-6.3\modules\system\layers\base\com\numbersorting\applicationJars\main** directory and place them in the same folder.
6. Place **oracle** folder in **jboss-eap-6.3\modules\system\layers\base\org** directory.
7. Edit **standalone.xml** file placed in **jboss-eap-6.3\standalone\configuration** to include the following entry under drivers tag
 

```

      <driver name="oracle" module="org.oracle">
          <driver-class>oracle.jdbc.OracleDriver</driver-class>
      </driver>
```
8. Restart the server and login into admin console using management user.
9. Create and test data source using **oracle** as driver and **java:jboss/NumberSorting** as JNDI name.
10. Deploy NumberSortingEAR.