Step 1: Encrypt db password

jbosshome>java -classpath lib/jboss-common.jar:lib/jboss_jmx.jar:server/default/lib/jbosssx.jar:server/default/lib/jboss-jca.jar org.jboss.resource.security.SecureIdentityLoginModule i2b2demodata

>Encoded password: 5dfc52b51bd35553df8592078de921bc

Step 2: Add the <application-policy> to jboss/server/default/conf/login-config.xml file

```
 <application-policy name="EncryptDemoPassword">
        <authentication>
            <login-module code="org.jboss.resource.security.SecureIdentityLoginModule"
flag="required">
                <module-option name="username">i2b2demodata</module-option>
                <module-option name="password">5dfc52b51bd35553df8592078de921bc</module-option>
                <module-option
name="managedConnectionFactoryName">jboss.jca:name=QueryToolDemoDS,service=LocalTxCM</module-option
>
            </login-module>
        </authentication>
    </application-policy>
```

Step 3: Change **-ds.xml, remove password and add <security-domain>

```
<local-tx-datasource>
    <jndi-name>QueryToolDemoDS</jndi-name>
    <connection-url>jdbc:oracle:thin:@i2b2test1.partners.org:1521:XE</connection-url>
    <driver-class>oracle.jdbc.driver.OracleDriver</driver-class>

    <security-domain>EncryptDemoPassword</security-domain>
    <!-- comment the db user and password
    <user-name>i2b2demodata</user-name>
    <password>i2b2demodata</password>
    -->
    <idle-timeout-minutes>1</idle-timeout-minutes>
        <metadata>
        <type-mapping>Oracle9i</type-mapping>
    </metadata>
  </local-tx-datasource>
```