IBM TRIRIGA Application Platform Version 3, Release 7

**Securing Passwords in** tririga-ds.xml



Note Before using this information and the product it supports, read the information in "Notices" on page 5.				
This edition applies to version 3, release 7 of IBM® TRIRIGA® Application Platform and to all subsequent releases and modifications until otherwise indicated in new editions.				
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## **About This Guide**

### **Conventions**

This document uses the following conventions to ensure that it is as easy to read and understand as possible.



**Note** - A Note provides important information that you should know in addition to the standard details. Often, notes are used to make you aware of the results of actions.



Tip - A Tip adds insightful information that may help you use the system better.



**Attention** - An Attention notice indicates the possibility of damage to a program, device, system, or data.

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## Securing Passwords in tririgads.xml

The as-delivered tririga-ds.xml has a clear text user name and password. If security requirements dictate that no passwords stored on the file system can be stored in clear text, the following procedure can be used to encrypt the password.

If tririga-ds.xml is encrypted, you cannot edit connection information from the Administrator Console.

The information in this document can be copied, which should make following this procedure less subject to typographical errors.



Attention - You will need to re-encrypt passwords (run through these instructions) each time you upgrade to a new version of the IBM TRIRIGA® Application Platform.

### **Procedure**

Follow the procedure below to secure passwords in tririga-ds.xml.

#### To Secure Passwords in tririga-ds.xml

Step 1 Confirm Java version.

Ensure the same version of Java that executes the JBoss process is in your path. This can be checked by running the following command (on Windows or UNIX/Linux):

```
java -version
```

If the version is different from the one that runs with JBoss, add the correct <code>java/bin</code> directory to the system path.

Step 2 Stop JBoss.

**Step 3** Generate the encoded password.

Open a command prompt or shell window. Navigate to the tririga/jboss-5.1.0 home directory. Invoke the secure identity login module with the following command (execute this all on one line):

#### UNIX/Linux:

```
java -cp client/jboss-logging-spi.jar:common/lib/jbosssx.jar
org.jboss.resource.security.SecureIdentityLoginModule your-password
```

#### Windows:

#### To Secure Passwords in tririga-ds.xml

java -cp client\jboss-logging-spi.jar;common\lib\jbosssx.jar
org.jboss.resource.security.SecureIdentityLoginModule your-password

#### A result like the following line is printed to the screen:

Encoded password: 5dfc52b51bd35553df8592078de921bc

Step 4 Remove the clear text password from the tririga-ds.xml and add the user mapping information.

Edit the tririga-ds.xml file in the tririga/jboss-5.1.0/server/all/deploy directory. Remove the user-name and password parameter lines, and add the security-domain parameter, as shown below.

#### The following lines show the text before the edit. The lines in bold will be replaced:

```
<local-tx-datasource>
    <jndi-name>jdbc/local/DataSource-TRIRIGA-data</jndi-name>
    <connection-url>jdbc:oracle:thin:@DBSVR:1521:orcl</connection-url>
    <driver-class>oracle.jdbc.driver.OracleDriver</driver-class>
    <user-name>tridata</user-name>
    <password>password</password>
    <min-pool-size>10</min-pool-size>
```

#### Replace the user-name and password entries with a security-domain entry:

<blocking-timeout-millis>5000</blocking-timeout-millis>

#### To Secure Passwords in tririga-ds.xml

Edit the login-config.xml in the tririga/jboss-5.1.0/server/all/config directory.

At the end of the file, before the closing </policy> tag, add the following section and enter the clear text username and encrypted password from Step 3:

```
<policy>
   <!-- TRIRIGA Encrypted DB Username -->
   <application-policy name="EncryptDBPassword">
     <authentication>
     <login-module
      code="org.jboss.resource.security.SecureIdentityLoginModule"
      flag="required">
     <module-option
      name="username">tridata</module-option>
     <module-option
      name="password">5dfc52b51bd35553df8592078de921bc</module-
option>
      <module-option name="managedConnectionFactoryName">
   jboss.jca:name=jdbc/local/DataSource-TRIRIGA-
data, service=LocalTxCM
      </module-option>
      </login-module>
     </authentication>
    </application-policy>
</policy>
```

The above configuration should be within the active policy section.



Note - The very last line of the file should be </policy>.

Step 5 Restart JBoss and test.

Ensure records can be viewed and new records can be created.

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