

# Upgrading from Rhythmyx 5.5 to Rhythmyx 5.7

This document describes two major changes that occur during the upgrade from Rhythmyx Version 5.5 to Version 5.7 that may require customer intervention:

- Upgrade of the Tomcat Web server
- Ephox EditLive! for Java rich text DHTML editor

## ***Tomcat Server Upgraded to 5.5.7***

In Rhythmyx Version 5.7, the Tomcat Web application server used by Rhythmyx is upgraded to Version 5.5.7. In the process of this upgrade, the following files are overwritten:

- server.xml
- web.xml

Backups of these files are automatically created during the upgrade process. If you have made any modifications to these files, you will need to migrate the change from the backup file to the new version manually. The most common modifications to the server.xml are :

- add JNDI properties to the server.xml file in systems that use a JNDI directory server (and LDAP server or Microsoft Active Directory); and
- adding SSL port and keystore entries to systems using SSL.

Compare the new server.xml to the backup to ensure that you have not lost any important configuration settings.

Any additional web applications you may have implemented will be preserved, but should be tested to ensure that they still function as expected with Tomcat 5.5.7.

The cacerts file in the Tomcat JRE are also overwritten during the upgrade. This new cacerts file differs significantly from the earlier cacerts file, so you cannot rely on a backup of the file. You can, however, re-import the existing key from the Rhythmyx server into the new Tomcat JRE cacerts file. You will also need to export a key from the new Tomcat JRE and import that key into the Rhythmyx server JRE before you will be able to use SSL to publish.

If you are using database publishing via Tomcat you may also have made modifications, adding <Resource> elements to the server.xml. You must translate these elements into new <Resource> elements in <Rxroot\AppServer\webapps\RxServices\META-INF\context.xml. The resource parameters, defined in <Parameter> children must be translated as attributes of the <Resource> element.

If you use Microsoft SQL Server or Oracle as your target database, the new <Resource> element have already been defined for you. You only need to uncomment the appropriate <Resource> element, and copy the values of the Resource parameters currently defined in server.xml and paste them as the value of the attributes of the <Resource> element in context.xml.

If you use Sybase or DB2 as your target database, you will have to translate the elements manually.

## Example translation for Sybase:

### *Original (Tomcat 4.1.27):*

```
<Resource name="jdbc/dbpubtarget" auth="Container"
type="javax.sql.DataSource"/>
<ResourceParams name="jdbc/dbpubtarget">
  <parameter>
    <name>username</name>
    <value>sa</value>
  </parameter>
  <parameter>
    <name>password</name>
    <value>demo</value>
  </parameter>
  <parameter>
    <name>driverClassName</name>
    <value>com.sybase.jdbc2.jdbc.SybDriver</value>
  </parameter>
  <!-- optional
  <parameter>
    <name>driver</name>
    <value>sybase</value>
  </parameter>
-->
  <parameter>
    <name>url</name>
    <value>jdbc:sybase:Tds:localhost:5000</value>
  </parameter>
</ResourceParams>
```

### *Translated for Tomcat 5.5.7:*

```
<Resource name="jdbc/dbpubtarget" auth="Container"
type="javax.sql.DataSource"
driverClassName="com.sybase.jdbc2.jdbc.SybDriver" driver="sybase"
url="jdbc:sybase:Tds:localhost:5000"/>
```

## Example translation for DB2

### *Original (Tomcat 4.1.27):*

```
<Resource name="jdbc/dbpubtarget" auth="Container"
type="javax.sql.DataSource"/>
<ResourceParams name="jdbc/dbpubtarget">
  <parameter>
    <name>username</name>
    <value>sa</value>
  </parameter>
  <parameter>
    <name>password</name>
    <value>demo</value>
  </parameter>
  <parameter>
    <name>driverClassName</name>
    <value>COM.ibm.db2.jdbc.app.DB2Driver</value>
  </parameter>
```

```
<parameter>
  <name>url</name>
  <value>jdbc:db2:dbpubtarget</value>
</parameter>
</ResourceParams>
```

**Translated for Tomcat 5.5.7:**

```
<Resource name="jdbc/dbpubtarget" auth="Container"
type="javax.sql.DataSource"
driverClassName="COM.ibm.db2.jdbc.app.DB2Driver" driver="sybase"
url="jdbc:db2:dbpubtarget" />
```

You can add other attributes to this element. For a complete list of elements valid for this element, and their effect, see

<http://jakarta.apache.org/commons/dbcp/configuration.html>.

## Ephox EditLive! for Java DHTML Editor

In Rhythmyx Version 5.7, a new rich text DHTML editor is introduced, Ephox EditLive! for Java. This control supersedes the Ektron eWebEditPro rich text DHTML editor.

You do not have to replace eWebEditPro with EditLive! You can continue to use eWebEditPro if you prefer. Note, however, that Percussion Software will only support the eWebEditPro control until November 2006.

NOTE: You cannot use both the EditLive! and the eWebEditPro controls in the same Content Editor. The two controls are incompatible, and you must use one or the other consistently within any Content Editor. You can, however, use the EditLive! control in one Content Edit and the eWebEditPro control in a different Content Editor.

To change the rich text DHTML editor for a field from the eWebEditPro control to the EditLive! control:

- 1 In the Rhythmyx Workbench, open the Content Editor application whose editor you want to change and double-click on the Content Editor resource.  
Rhythmyx displays the Content Editor Properties dialog with the current configuration data for the Content Editor.
- 2 Select the Content Editor field whose control you want to change and click the [Edit] button.  
Rhythmyx displays the Field Properties dialog.
- 3 In the **Control** field, click the drop list and choose *sys\_EditLive*.
- 4 Rhythmyx automatically sets common parameters to the same values used for the *sys\_eWebEditPro* control that was used for the field.
- 5 If you want to use a customized configuration file, or modify other parameters:
  - a) Click the browse button next to the Control field.  
Rhythmyx displays the Display Control Properties for <field> dialog.
  - b) Enter the parameters and associated values you want to assign to the control.
  - c) Click [OK] to save your edits.
- 6 On the Field Properties dialog, click [OK] to save the modifications you made to the field.

- 7 On the Content Editor Properties dialog click [**OK**] to save the modification you made to the Content Editor.

The changes will take effect the next time you start your application. To see your changes, stop and restart the application, log into Rhythmyx, and activate the editor.