



# Updating the ETM<sup>®</sup> Database When Upgrading to Oracle 12c Release 2 on Windows

For Use with the ETM<sup>®</sup> System v7.1.1 Build 47  
or v7.1.2 Build 74



**Corporate Headquarters:**

SecureLogix Corporation  
13750 San Pedro, Suite 820  
San Antonio, Texas 78232  
Telephone: 210-402-9669 (non-sales)  
Fax: 210-402-6996  
Email: [info@securelogix.com](mailto:info@securelogix.com)  
Website: <http://www.securelogix.com>

**Sales:**

Telephone: 1-800-817-4837 (North America)  
Email: [sales@securelogix.com](mailto:sales@securelogix.com)

**Customer Support:**

Telephone: 1-877-SLC-4HELP  
Email: [support@securelogix.com](mailto:support@securelogix.com)  
Web Page: <http://support.securelogix.com>

**Training:**

Telephone: 210-402-9669  
Email: [training@securelogix.com](mailto:training@securelogix.com)  
Web Page: <http://training.securelogix.com>

**Documentation:**

Email: [docs@securelogix.com](mailto:docs@securelogix.com)  
Web Page: <http://support.securelogix.com>

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# Updating the ETM<sup>®</sup> System Database After Upgrading from Oracle 11g to 12c Release 2 (12.2.0.1)

When you upgrade an existing ETM<sup>®</sup> System Database from Oracle 11g to 12c Release 2 (12.2.0.1), use the following procedures to update the ETM Database and related settings after upgrading Oracle.

## **Only the following configurations are supported with Oracle 12.2.0.1:**

- **ETM<sup>®</sup> System v7.1.2 Build 74** using one of the following drivers:
  - **ojdbc6** from Oracle 11.2.0.4
  - **ojdbc7** from Oracle 12.1.0.2
- **ETM<sup>®</sup> System v7.1.1 Build 47** using the following driver:
  - **ojdbc6** from Oracle 11.2.0.4

Ensure that you are running one of those ETM System versions before upgrading to Oracle 12.2.0.1.

See the Oracle documentation for instructions for upgrading Oracle.

These procedures apply to upgrading an existing ETM System to Oracle 12.2.01 only. Refer to “[ETMD746 - Installing and Configuring Oracle 12c Release 2 on Windows for Use with the ETM<sup>®</sup> System](#)” for new ETM System installs using Oracle 12.2.0.1.

## **Update the Database**

### **To update the ETM Database after upgrading Oracle to 12.2.0.1**

1. Connect to the ETM Oracle instance as **etmowner** using **sqlplus**.
2. Execute:

```
drop package etm_data_manager
```

## Copy the Database Driver to Required Locations

After upgrading the database, copy the supported database driver to each of the following ETM System installation directories:

- The ETM Server.
- Any remote Report Server.
- Any remote ETM Database Maintenance Tool.

Remote ETM System Clients do not require the driver file.

### **Only the following configurations are supported with Oracle 12.2.0.1:**

- **ETM<sup>®</sup> System v7.1.2 Build 74** using one of the following drivers:
  - **ojdbc6** from Oracle 11.2.0.4
  - **ojdbc7** from Oracle 12.1.0.2
- **ETM<sup>®</sup> System v7.1.1 Build 47** using the following driver:
  - **ojdbc6** from Oracle 11.2.0.4

You can download the supported drivers from the Oracle website.

## Edit Configuration Files

If you are using **ETM<sup>®</sup> System v7.1.2 Build 74** with **ojdbc7** from Oracle 12.1.0.2, perform the following configuration. Due to changes in that Oracle 12c driver, configuration files for the ETM Server, Report Server, and ETM Database Maintenance Tool must be edited to enable the ETM System to connect to the database.

### **ETM<sup>®</sup> Server Configuration File**

#### **To edit the ETM Server configuration file**

1. On the ETM Server host, open the file **ETMManagementService.cfg** in a text editor. This file is at the root of the ETM Management Server installation directory.
2. Locate the line labeled :

```
# Java switches to supply to the Java Virtual Machine.
```

3. At the end of the line, append the following switch:

```
-Doracle.jdbc.autoCommitSpecCompliant=false
```

4. The new line should look like the following:

```
switches=-Xmx512M -Djava.rmi.server.useLocalHostName=true -  
Dsun.java2d.noddraw=true -Doracle.jdbc.autoCommitSpecCompliant=false
```

5. Save the file.

### **Report Server Configuration File**

#### **To edit the Report Server configuration file**

1. On the Report Server host, open the file **ETMReportService.cfg** in a text editor. This file is at the root of the ETM System installation directory.
2. Locate the line labeled:

```
# The switches to use when creating the java environment that will run the  
# ServerActivator.
```

3. At the end of the line, append the following switch:

```
-Doracle.jdbc.autoCommitSpecCompliant=false
```

4. The new line should look like the following::

```
App_Switches=-Djava.security.policy=policy -Dsun.java2d.noddraw=true -  
Doracle.jdbc.autoCommitSpecCompliant=false
```

5. Locate the line labeled:

```
# The switches to use when launching the rmid executable
```

6. At the end of the line, append the following switch:

```
-Doracle.jdbc.autoCommitSpecCompliant=false
```

7. The new line should look like the following::

```
RMID_Switches=-J-Xrs -J-Djava.rmi.server.useLocalHostName=true -J-  
Djava.security.policy=policy -J-Dsun.java2d.noddraw=true -J-  
Djava.rmi.server.logCalls=true -C-server -C-Xmx512M -C-  
Djava.rmi.server.useLocalHostName=true -C-Djava.security.policy=policy  
-C-Dsun.java2d.noddraw=true -C-  
Djava.class.path=".;...;activation.jar;comm.jar;jakarta-oro-  
2.0.jar;log4j-  
1.2.8.jar;mail.jar;ojdbc6.jar;ojdbc14.jar;report11_pro.jar;report12_pro  
.jar;slc-crypt.jar;TeleWall.jar" -C-  
Doracle.jdbc.autoCommitSpecCompliant=false
```

8. Save the file.

### **Database Maintenance Tool Configuration File**

#### **To edit the Database Maintenance Tool configuration file**

1. On the **Database Maintenance Tool** host, open the file **ETMDBMaintTool.cfg** in a text editor. This file is at the root of the ETM System installation directory.
2. Locate the line labeled:

```
# Java switches to supply to the Java Virtual Machine.
```

3. At the end of the line, append the following switch:

```
-Doracle.jdbc.autoCommitSpecCompliant=false
```

4. The new line should look like the following:

```
switches=-client -Xmx200M -Dsun.java2d.noddraw=true  
-Doracle.jdbc.autoCommitSpecCompliant=false
```

5. Save the file.

### **Connect with Database Maintenance Tool and Repair Errors**

Since the package was dropped and recompiled, repair database errors to pull the updated package in.

#### **To repair errors**

1. Open and log in to the **ETM Database Maintenance Tool**.
2. Right-click the database and click **Repair Errors**.