

ERWIN DI SUITE

Software Upgrade Guide v9.3 for Oracle Database

Getting Started

- ✓ Prerequisites to upgrade to the 9.3 version [Click](#)
- ✓ Upgrading your current software to the 9.3 version [Click](#)

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Prerequisites to Upgrade to the 9.3 version

Prerequisite:** Java (8u74 to 8u192) or Open JDK 8 and Tomcat 8.0.39 or Tomcat 8.5.35/41

The erwin DI Suite software is certified to run on

- Tomcat – v8.0.39 or v8.5.35/41
- Java – Oracle JRE 8u192 or Open JDK 8

If you have older 7x versions of Java and/or 8.0.32 Tomcat installed, you need to upgrade these to the respective 8 versions prior to upgrading to the 9.3 version.

[Click here to upgrade to the 8 versions of Tomcat and Java](#)

Upgrading to the erwin DI Suite 9.3 version

1. ****IMPORTANT**:** Take a backup of the existing backend Database and the erwinMMDG.war (or MappingManager.war) file and erwinMMDG/MappingManager folder (tomcat/webapps/).
2. Take a backup of the “**database.properties**” file from the following folder

Folder: C:\Program Files\Apache Software Foundation\Tomcat 8.0\webapps*MappingManager*\WEB-INF\Database\
3. Take the backup of “**iccdocuments.properties**” file - C:\Program Files\Apache Software Foundation\Tomcat 8.0\webapps*MappingManager*\WEB-INF\configuration\properties
4. Stop the Tomcat server.
5. From the tomcat/webapps/ folder, delete the existing **erwinMMDG.war** file and the **erwinMMDG** folder
6. Go into the [Tomcat Directory\work\Catalina\localhost\](#) folder and delete the **erwinMMDG** folder
7. From the newly Downloaded **software build >> SQL** Folder, run the “**erwinMMDG_SqlServer.sql**” script against the existing database.
8. Upgrading Java and Tomcat to the 8 version [Click Here to install Java 8 and Tomcat 8 versions](#)

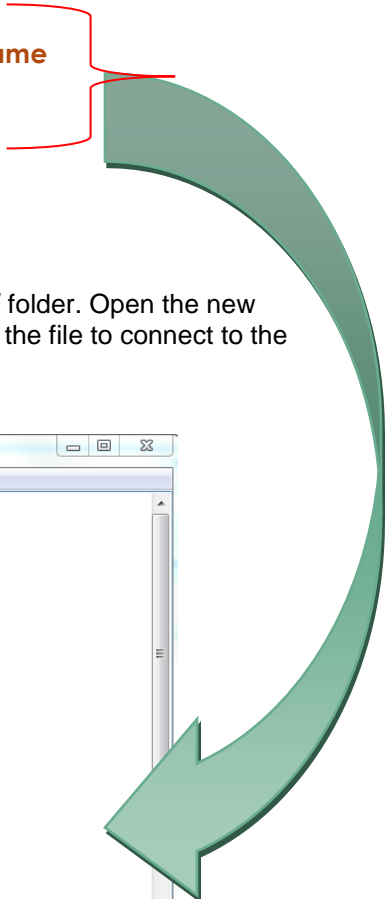
Note: This step can be ignored if tomcat 8.0.39 and Java 8 versions are already installed.
9. From the newly Downloaded **software build >> WAR** folder , copy the **erwinDISuite.war** file and paste into the tomcat/webapps folder
10. Start the Tomcat server.

11. You will now see an expanded **erwinDISuite** folder in the tomcat/webapps/ directory

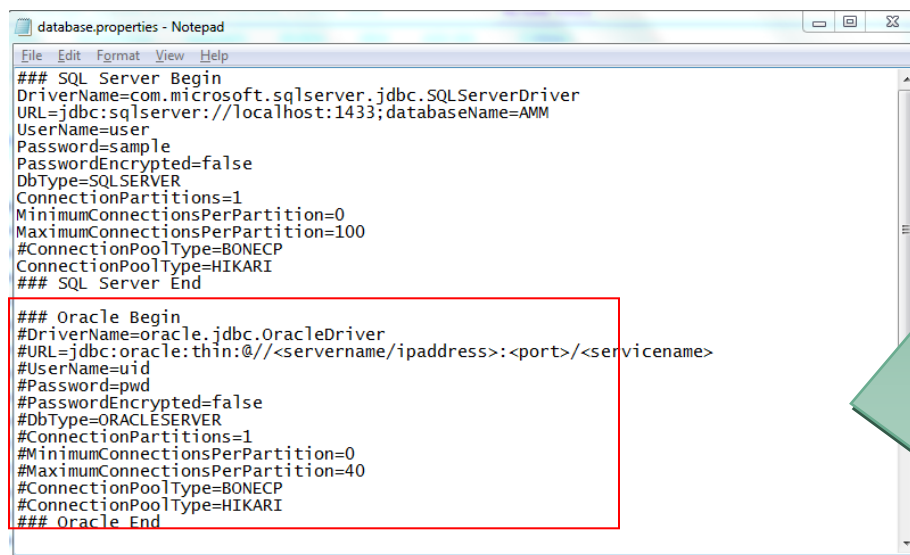
12. Update Database Properties:

- a. From the backed-up “database.properties” file (Step 2), copy the 5 below lines (file backed up in Step 2)

```
DriverName=oracle.jdbc.OracleDriver
URL=jdbc:oracle:thin:@//IP_ADDRESS:1521/ClientDBName
Username=ClientUserID
Password=ClientPassword
PasswordEncrypted=false
DbType=ORACLESERVER
```



- b. Go into the tomcat/webapps/erwinDISuite/WEB-INF/Database/ folder. Open the new “Database.properties” file, and replace the ORACLE section of the file to connect to the backend database.



```
database.properties - Notepad
File Edit Format View Help
### SQL Server Begin
DriverName=com.microsoft.sqlserver.jdbc.SQLServerDriver
URL=jdbc:sqlserver://localhost:1433;databaseName=AMM
UserName=user
Password=sample
PasswordEncrypted=false
DbType=SQLSERVER
ConnectionPartitions=1
MinimumConnectionsPerPartition=0
MaximumConnectionsPerPartition=100
#ConnectionPoolType=BONECP
ConnectionPoolType=HIKARI
### SQL Server End

### Oracle Begin
#DriverName=oracle.jdbc.OracleDriver
#URL=jdbc:oracle:thin:@//<servername/ipaddress>:<port>/<servicename>
#UserName=uid
#Password=pwd
#PasswordEncrypted=false
#DbType=ORACLESERVER
#ConnectionPartitions=1
#MinimumConnectionsPerPartition=0
#MaximumConnectionsPerPartition=40
#ConnectionPoolType=BONECP
#ConnectionPoolType=HIKARI
### Oracle End
```

Note: Ensure the “SQL Server” section is commented out and the “Oracle” section is enabled.

- c. Set PasswordEncrypted=false
- d. Save changes to the “database.properties” file

13. Update and replace the “iccdocuments.properties” file.

14. Restart the Tomcat Server

15. Login to the application

Upgrading to Java 8x and Tomcat 8.0.39 versions

Install Java 8x

1. Download Oracle JRE 8u192/8u202 versions or Open Java version 8 and finish the installation process

Link to download **Open Java 8** - <https://adoptopenjdk.net/archive.html>

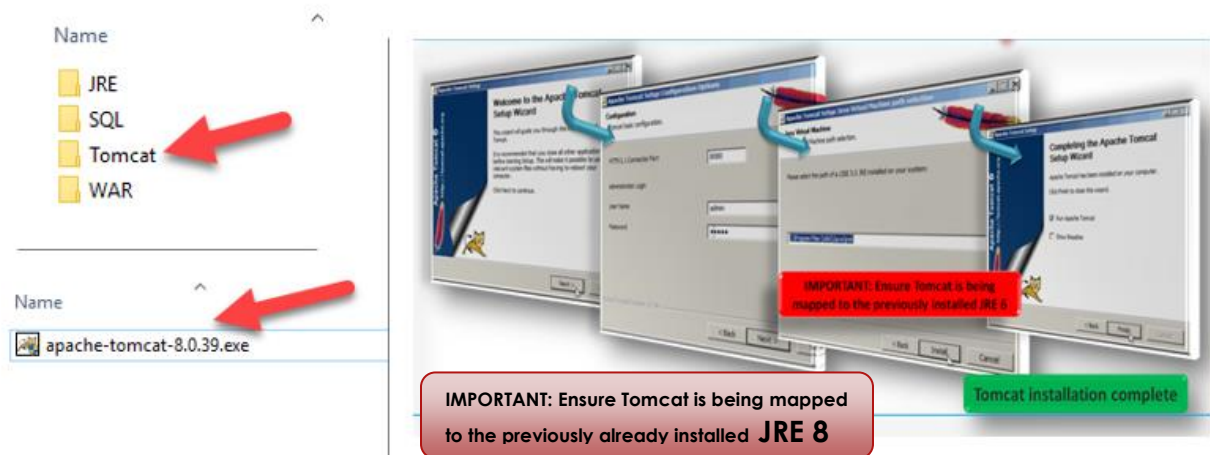
Oracle JRE 8 – to be downloaded by the customer based on support agreement with Oracle

Installing Tomcat 8.5.53/41 or 8.0.39

1. To Start Installation Double click on \Tomcat\apache-tomcat-8.5.35.exe (or Tomcat 8.0.39 exe file). You will see the welcome screen. Click on the Next button to continue the installation process.
2. Choose the port number on which you want to run the tomcat server. Tomcat uses 8080 as its port by default (you can provide any other port number if 8080 is already being used)
3. Enter Admin User ID and password for Tomcat (default: admin/admin)

On the Java Virtual Machine selection window, select the path to the JRE 8 folder

Note:** If there is more than one version of JRE installed, Ensure Tomcat is being mapped to the JRE8 version previously installed.



After successful installation, a shortcut icon to start the tomcat server appears in the icon tray of the task bar as shown below. Double clicking the icon, displays the window of Apache Manager for Tomcat. It might show the “Startup type” as manual (if you change default installation Location)



Configuring Tomcat Memory settings for optimum performance

After installing tomcat, modify the tomcat memory settings as described below to achieve optimum AMM performance.

Settings:

1. If you are using the normal tomcat installation and Tomcat manager then set the memory related values as shown in the Tomcat → Java → Java Options window

Copy the 2 lines in blue below (based on whether the tomcat is 32 or 64 bit) and paste these 2 lines at the end of the existing lines in the Java Options window.

64 BIT TOMCAT	32 BIT TOMCAT
<p>-Xms2048m -Xmx4096m</p>	<p>-Xms512m -Xmx1024m</p>

****IMPORTANT NOTE**:** Ensure that the “Initial memory pool” & “Maximum memory pool” values are empty. If values exist in these 2 fields, delete the values i.e. set to empty and click the “Apply” button

2. If using an alternate Tomcat zip installation (startup.bat)

Add the following line to the **catalina.bat** (Windows) or **catalina.sh** (Unix) file as the first line in the file.

catalina.bat:

=====

32 Bit: set CATALINA_OPTS=%CATALINA_OPTS% -Xms1024m -Xmx1536m

64 bit: set CATALINA_OPTS=%CATALINA_OPTS% -Xms2048m -Xmx4096m

catalina.sh

=====

32 Bit: CATALINA_OPTS="\$CATALINA_OPTS -Xms1024m -Xmx1536m"

64 Bit: CATALINA_OPTS="\$CATALINA_OPTS -Xms2048m -Xmx4096m"