

# erwin DI SUITE 10.0

## Software Upgrade Guide for **SQL Server Database**

### Getting Started

- ✓ Prerequisites to upgrade to the 10.0 version [Click](#)
- ✓ Upgrading your current software to the 10.0 version [Click](#)

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## Prerequisites to Upgrade to the 10.0 version

**Prerequisite\*\*:** Java (8u192 or higher 8u versions) or Open JDK 8 and Tomcat 8.5.35/41

The erwin DI Suite software is certified to run on

- Tomcat –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 new 8x versions prior to upgrading to the DI Suite 10.0 version.

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

## Upgrading to the erwin DI Suite 10.0 version

1. **\*\*IMPORTANT\*\*:** Take a backup of the existing backend Database and the erwinDISuite.war (or erwinMMDG.war) file and erwinDISuite (or erwinMMDG) 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\ erwinDISuite \WEB-INF\Database\  
  
3. Take the backup of “**iccdocuments.properties**” file - C:\Program Files\Apache Software Foundation\Tomcat 8.0\webapps\ erwinMMDG \WEB-INF\configuration\properties
4. Stop the Tomcat server.
5. From the tomcat/webapps/ folder, delete the existing erwinDISuite.war (or erwinMMDG.war) file and the erwinMMDG folder
6. Go into the [Tomcat Directory\work\Catalina\localhost\](#) folder and delete the **erwinDISuite/erwinMMDG** folder
7. From the newly Downloaded **software build >> SQL** Folder, run the “**erwinDISuite\_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 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:**

**Important Note:** The 10.0 version “Database.properties” file has some new properties added to the 10.0 version (which don’t exist in the older versions). As such, do not replace the 10.0 version file with the older version file.

Instead, go into the 10.0 version specific Database.properties file and update only the connection parameter values specific to you without changing any of the actual keys in the file.

a. Update the parameters highlighted in yellow below with the actual values at your end.

```
DriverName=com.microsoft.sqlserver.jdbc.SQLServerDriver
URL=jdbc:sqlserver://localhost:1433;databaseName=ClientDBName
UserName=ClientUserID
Password=ClientPassword
PasswordEncrypted=false
DBType=SQLSERVER
```

b. Set PasswordEncrypted=false

c. 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 8.5 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>

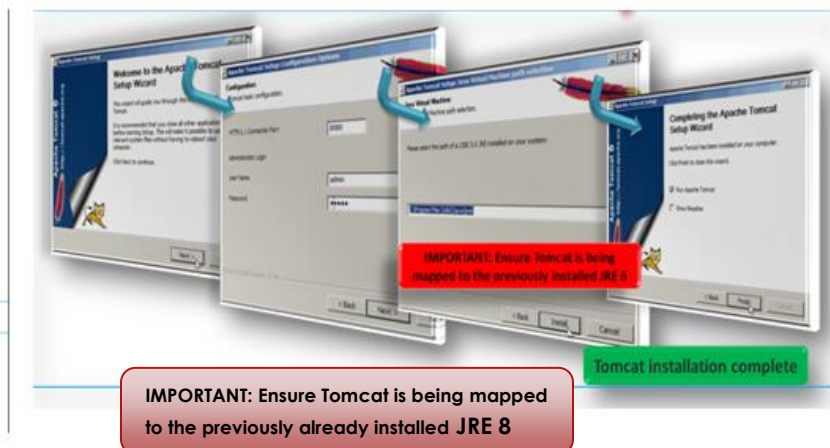
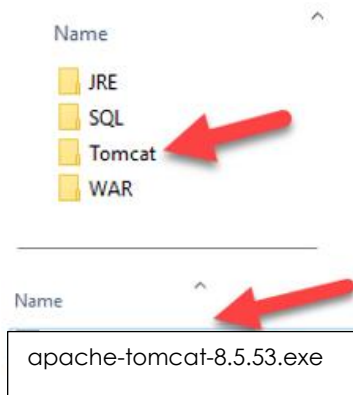
**Oracle JRE 8** – to be downloaded by the customer based on support agreement with Oracle

### Installing Tomcat 8.5.53/41

1. To Start Installation Double click on \Tomcat\apache-tomcat-8.5.35.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)

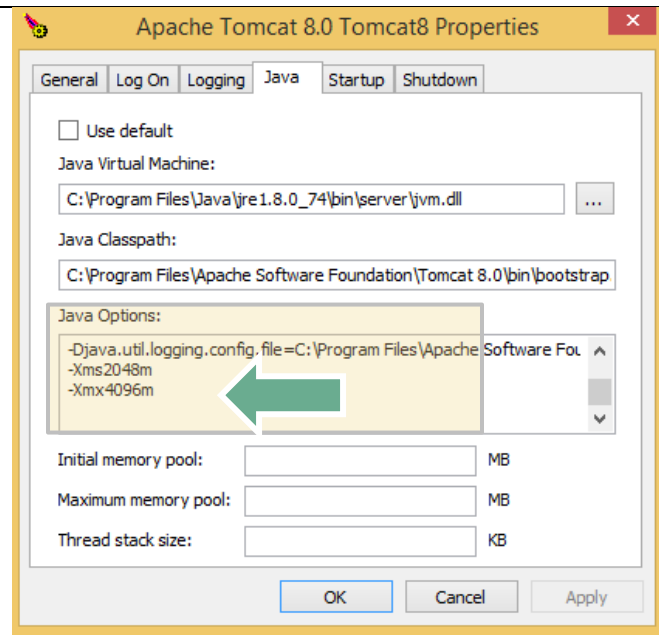
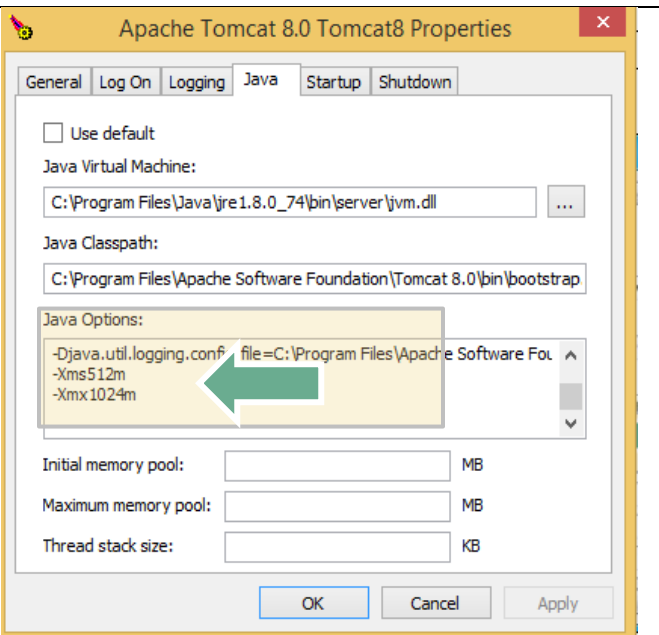


## Configuring Tomcat Memory settings for optimum performance

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
-Xms2048m -Xmx4096m	-Xms512m -Xmx1024m
	

**\*\*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"