

erwin **Data Intelligence (DI) SUITE**

Version 10.2

Software Upgrade Guide

This document provides the instructions to upgrade the DI Suite software from your current version to the new 10.2 version

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Important note to determine if you are ready to upgrade to v10.2

If you are using the erwin automation framework or custom smart connectors in your current version of erwin DI, please reach out to your erwin Professional Services SME, Implementation SME or Customer Success Manager to determine the upgrade path and ensure your smart connectors work on the latest version so you can have a smoother upgrade experience and limit the production downtime.

We recommend that you not upgrade directly to the latest version without involving an erwin SME especially in cases where you have Smart Connectors configured in your environment.

Prerequisites to Upgrade to the 10.2 version

Prerequisite:** Oracle JRE 1.8.0_192/242 (or) Open Adapt JDK-8.0.202.08 and Tomcat v9.0.37

The erwin DI Suite software is certified to run on

- Tomcat –v9.0.37 (compatible with Tomcat 8.5.35/41/51 also)
- Java – Oracle JRE 1.8.0_192/242 (or) Open Adapt JDK-8.0.202.08

If you have older 7x versions of Java and/or v8.0.x versions of Tomcat installed, you need to upgrade these to the respective new versions prior to upgrading to the DI Suite 10.2 version.

*** Important Note:** The DI Suite v10.2 has been officially certified on Tomcat 9.0.37. We would recommend that you install tomcat 9.0.37 to avoid any compatibility issues. However, if you are already on Tomcat 8.5.35/41/51 version, you can continue using DI 10.2 on the older Tomcat 8.5.35/41/51 version as well and upgrade to Tomcat 9.0.37 subsequently should you encounter any unexpected compatibility issues.

To upgrade to the 8x versions of Java and v9.0.37 version of Tomcat [Click here](#)

If upgrading from Tomcat 8x version to Tomcat 9.0.37. Ensure that you backup the entire webapps folder

Upgrading to the erwin DI Suite 10.2 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 a 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 **erwinDISuite/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 to the 8 version and Tomcat to v9.0.37 version [Click Here to install Java 8 and Tomcat 9 versions](#)
Note: This step can be ignored if tomcat 9 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

Update Database Properties

Important Note: The 10.2 version “Database.properties” file has some new properties added to the 10.2 version (which does not exist in the older versions). As such, **do not** replace the 10.2 version file with the older version file.

Instead, go into the 10.2 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.

If using SQL Server

- 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

If using Oracle

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

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

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

Updating the Documents Folder Path

12. Update and replace the "*iccdocuments.properties*" file.

Updating the LDAP and SAML Properties

13. Update the LDAP and SAML Properties sections if you are using these options
14. Restart the Tomcat Server
15. Login to the application

Upgrading to the compatible Java 8x and Tomcat 9 versions

Step 1: Install Java

1. Download and Java (Oracle JRE 1.8.0_192/242 (or) Open Adapt JDK-8.0.202.08) and finish the installation process

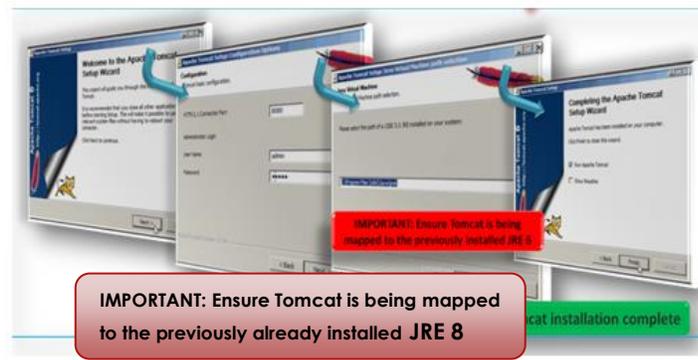
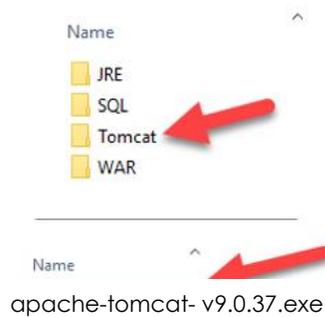
Link to download **Open Java 8** - <https://adoptopenjdk.net/archive.html>

Step 2: Installing Tomcat & creating the database schema for the application

1. To Start Installation Double click on \Tomcat\apache-tomcat- v9.0.37.exe. 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 default port (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/Java 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)



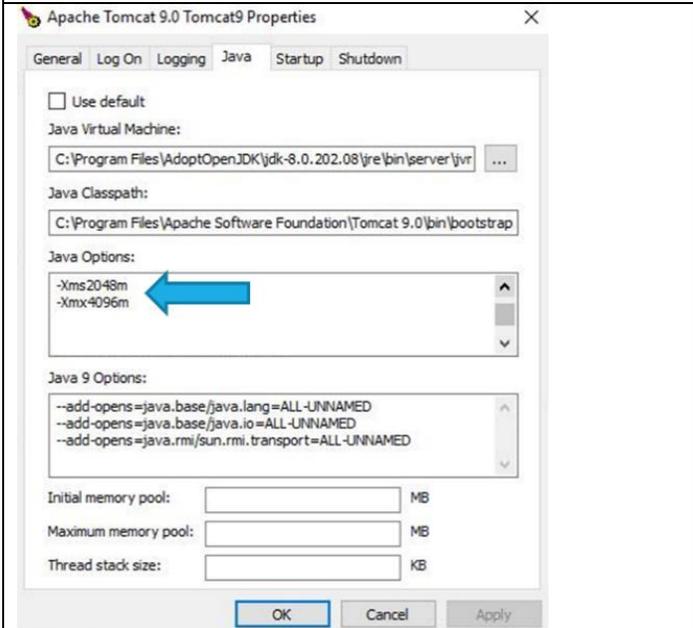
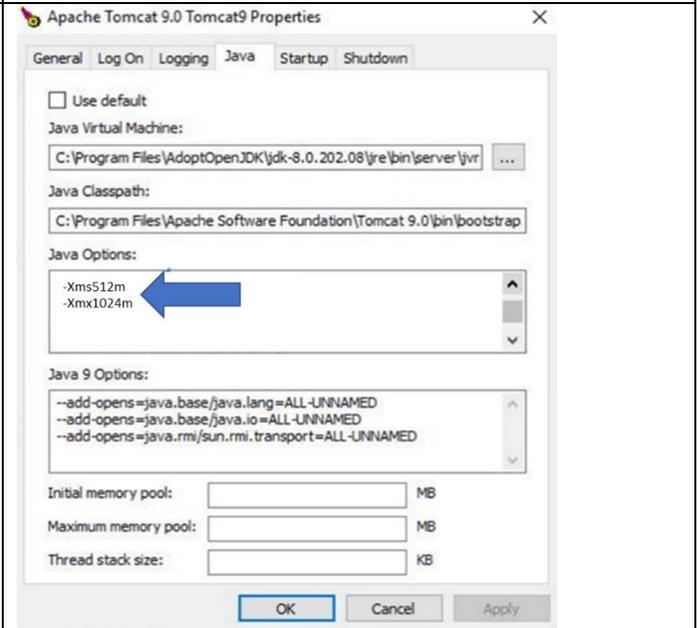
Configuring Tomcat Memory settings for optimum performance

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"