

Java DB is available for download from Oracle for the Windows, Linux, Mac OS X, and Solaris operating systems. To download Java DB, follow these instructions:

1. Open your browser and go the following address:
`http://developers.sun.com/javadb/downloads/index.jsp`
2. On the page that opens, click **Download**.
3. On the page that opens next, click the **drop-down box** to select the appropriate platform for your operating system, and click **Continue**.
4. On the following page, you will see a link to download Java DB for your selected operating system. Click the **download** link, and save the file on your hard drive.
5. Once the file is downloaded, run it. The following steps describe the installation process for Windows.

Installing Java DB for Windows

Step 1 The file that you downloaded will have a name similar to

`javadb_10_5_3_0.msi`



NOTE: The numbers that appear in the name of the file that you downloaded might be different from the ones shown here because they indicate the current version of Java DB. At the time this appendix was written, the current version was 10.5.3.0.

This file is a Windows installer package that will install Java DB for Windows on your computer. Run the installer. If a security warning such as the one shown in Figure M-1 appears, click the **Run** button.

Figure M-1 Security warning

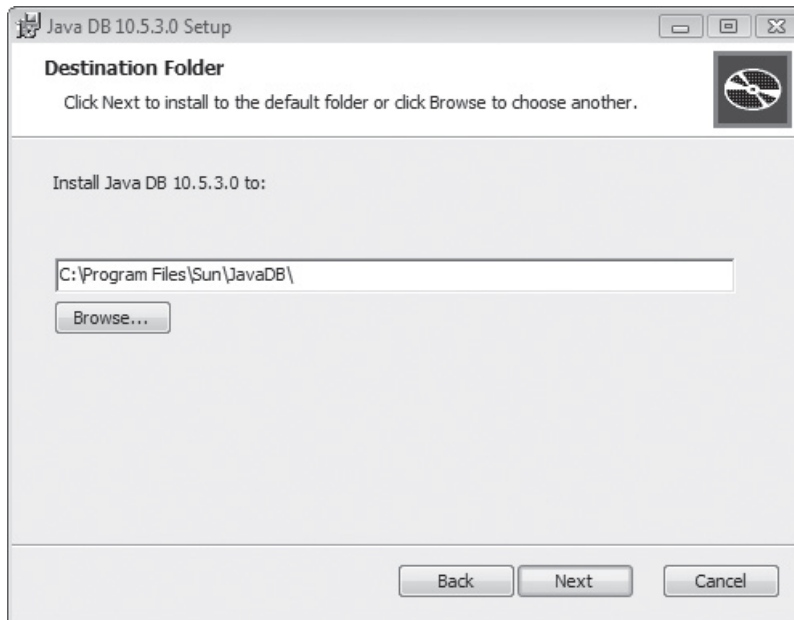


Step 2 A setup screen, such as the one shown in Figure M-2, appears next. Click the Next button.

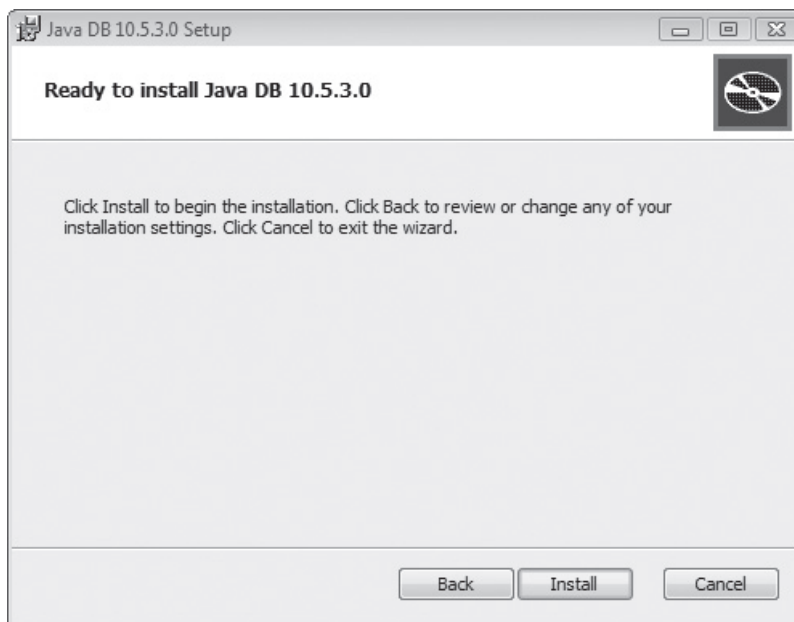
Figure M-2 Java DB setup screen



Step 3 A destination folder screen, such as shown in Figure M-3, appears next. Choose the folder where you would like to install Java DB on your system, and click the Next button.

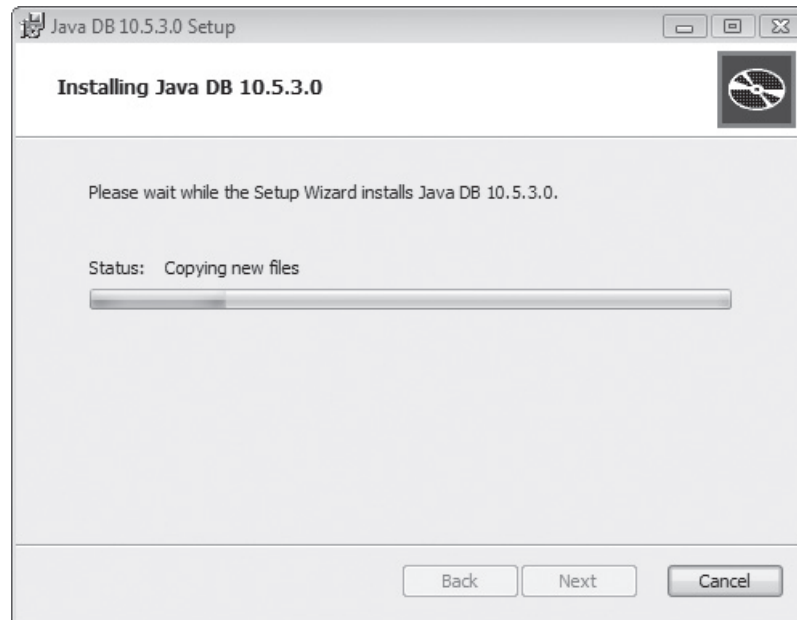
Figure M-3 Destination folder screen

Step 4 A ready to install screen, such as the one shown in Figure M-4, appears next. Click the **Install** button.

Figure M-4 Ready to install screen

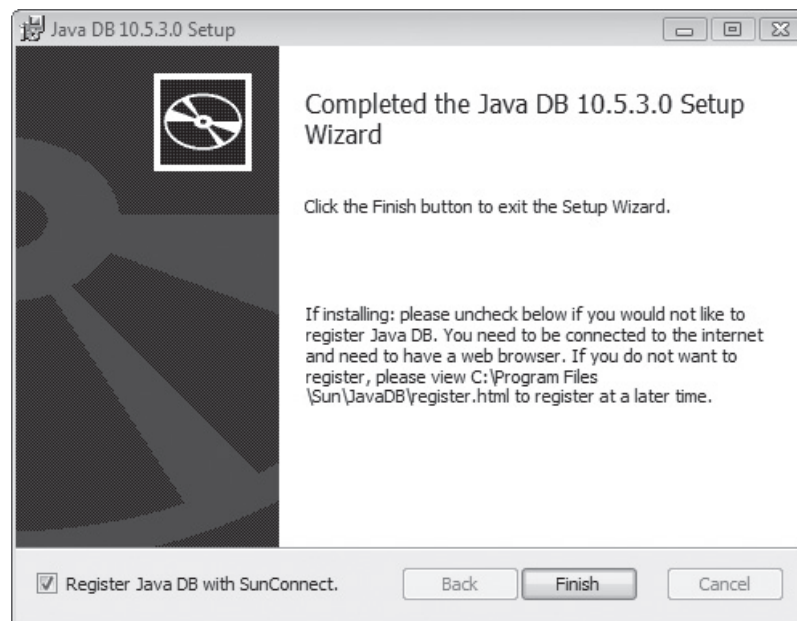
Step 5 A progress screen, such as the one shown in Figure M-5, appears next. As the Java DB files are installed to your system, the progress bar will be updated, indicating the status of the installation. It may take several minutes for this part of the installation to complete.

Figure M-5 Progress screen



Step 6 The screen shown in Figure M-6 should appear next, indicating that the installation is now complete. If you do not wish to register Java DB, uncheck the Register Java DB with SunConnect checkbox. Click **Finish**.

Figure M-6 Installation completed



For your reference, the Java DB files install to the following default folder:

```
C:\Program Files\Sun\JavaDB
```

If Java DB was installed to a different folder on your system, be sure to use your specific installation path when setting the environment variables.

Setting the CLASSPATH Environment Variable

The CLASSPATH environment variable contains a list of class libraries that are needed by the Java Virtual Machine and other Java applications. After you install Java DB on your system you will need to add the location of the Java DB class libraries to this list. The `derby.jar` file contains the Derby engine and the Derby JDBC embedded driver. You should add the following to the CLASSPATH list:

```
C:\Program Files\Sun\JavaDB\lib\derby.jar
```

If you plan to use the Derby command-line utilities, you should also add the `derbytools.jar` file to the CLASSPATH list using the following path:

```
C:\Program Files\Sun\JavaDB\lib\derbytools.jar
```

The `lib` folder contains the class libraries for Java DB. The procedure for adding the class libraries to the CLASSPATH variable depends on the version of Windows you are using.

Windows 7

Click the **Start button** and then right-click **Computer**. On the pop-up menu, select **Properties**. In the window that appears next, click **Advanced system settings**. This displays the System Properties window. Click the **Environment Variables...** button. In the System Variables list, scroll to the CLASSPATH variable. Select the CLASSPATH variable and click the **Edit** button. Add a semicolon to the end of the existing contents and then add the following path:

```
C:\Program Files\Sun\JavaDB\lib\derby.jar;
```

If you plan to use the Derby command-line utilities, you should also add the following path:

```
C:\Program Files\Sun\JavaDB\lib\derbytools.jar;
```

Click the **OK** buttons until all the dialog boxes are closed and exit the control panel.

Windows Vista

Click the **Start button**, then select **Control Panel**, then select **System Maintenance** in the Control Panel, and then click the **System** icon. (If you are running Windows Vista in Classic View, click the Start button, then select Control Panel, and then double-click the System icon.) Click **Advanced System Settings** in the Tasks pane on the left, and then click the **Environment Variables...** button. In the System Variables list, scroll to the CLASSPATH variable. Select the CLASSPATH variable and click the **Edit** button. Add a semicolon to the end of the existing contents, and then add the following path:

```
C:\Program Files\Sun\JavaDB\lib\derby.jar;
```

If you plan on using the Derby command-line utilities, you should also add the following path:

```
C:\Program Files\Sun\JavaDB\lib\derbytools.jar;
```

Click the **OK** buttons until all the dialog boxes are closed, and exit the control panel.

Windows XP

Click the **Start** button and **Control Panel**, and then double-click the **System** icon. (If you are running Windows XP in Category View, click Performance and Maintenance in the Control Panel, and then click the System icon.) Next, click the **Advanced** Tab and then click the **Environment Variables...** button. In the System Variables list, scroll to the **CLASSPATH** variable. Select the **CLASSPATH** variable and click the **Edit** button. Add a semicolon to the end of the existing contents, and then add the following path:

```
C:\Program Files\Sun\JavaDB\lib\derby.jar;
```

If you plan to use the Derby command-line utilities, you should also add the following path:

```
C:\Program Files\Sun\JavaDB\lib\derbytools.jar;
```

Click the **OK** buttons until all the dialog boxes are closed and exit the control panel.

Setting the Path Environment Variable

If you plan to use the Java DB command-line utilities, you will probably want to edit the contents of the **Path** variable on your system. This will allow your system to find the Java DB utilities from any folder when you run them at the command line.

The **Path** variable contains a list of folder paths, separated by semicolons.

For example, the **Path** variable might contain the following string:

```
C:\windows\system;C:\games;C:\Program Files\MyPrograms
```

When you type the name of an executable file at the command line and press **[Enter]**, the system will first look in the current folder for that file. If it cannot find the file there, it will begin looking in the folders that are listed in the **Path** variable. To make it easy to execute the Java DB utilities from the command line, you should add the following path to the **Path** variable:

```
C:\Program Files\Sun\JavaDB\bin
```

This is the folder that contains the utilities for Java DB. The procedure for adding this path to the **Path** variable depends on the version of Windows you are using.

Windows 7

Click the **Start** button and then right-click **Computer**. On the pop-up menu, select **Properties**. In the window that appears next, click **Advanced system settings**. This displays the System Properties window. Click the **Environment Variables...** button. In the System Variables list, scroll to the **Path** variable. Select the **Path** variable and click the **Edit** button. Add a semicolon to the end of the existing contents, and then add the following path:

```
C:\Program Files\Sun\JavaDB\bin
```

Click the OK buttons until all the dialog boxes are closed and exit the control panel.

Windows Vista

Click the **Start** button and **Control Panel**, click **System Maintenance** in the Control Panel, and then click the **System** icon. (If you are running Windows Vista in Classic View, click the Start button and Control Panel, and then double-click the System icon.) Click **Advanced System Settings** in the Tasks pane on the left, and then click the **Environment Variables...** button. In the System Variables list, scroll to the `Path` variable. Select the `Path` variable and click the **Edit** button. Add a semicolon to the end of the existing contents, and then add the following path:

```
C:\Program Files\Sun\JavaDB\bin
```

Click the OK buttons until all the dialog boxes are closed, and exit the control panel.

Windows XP

Click the **Start** button and **Control Panel**, and then double-click the **System** icon. (If you are running Windows XP in Category View, click **Performance and Maintenance** in the Control Panel, and then click the **System** icon.) Next, click the **Advanced** Tab, and then click the **Environment Variables...** button. In the System Variables list, scroll to the `Path` variable. Select the `Path` variable and click the **Edit** button. Add a semicolon to the end of the existing contents, and then add the following path:

```
C:\Program Files\Sun\JavaDB\bin
```

Click the OK buttons until all the dialog boxes are closed and exit the control panel.