Setting Up MySQL JDBC Development Environment

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This tutorial shows you how to setup development environment that helps you work with MySQL and JDBC. It also illustrates how to load a sample database into MySQL for practicing in the subsequent tutorials.

To setup the development environment, you need to:

1. Download and install JDK if it is not available in your local machine. We will use Java JDK 8u45.
2. Download and install NetBeans IDE. You can use any Java IDE such as Eclipse or IntelliJ, which is also fine. We choose NetBeans IDE because it's easy to install and simple to use. We will use NetBeans IDE version 8.0.2. Oracle provides also provide use NetBeans IDE and JDK in one installation file, so you just need to download one and install both JDK and NetBeans.
3. Download and install MySQL Connector/J.

Download and install NetBeans IDE with JDK

To download and install NetBeans IDE with JDK, you follow the steps below:

First, you need to go to Oracle Java download page and click on the NetBeans with JDK download button. It takes few minutes to complete the download.

Java Platform (JDK) 8u45

NetBeans with JDK 8

JDK 8u45 with NetBeans 8.0.2

This distribution of the JDK includes the Java SE bundle of NetBeans IDE, which is a powerful integrated development environment for developing applications on the Java platform. Learn more

You must accept the JDK 8u45 and NetBeans 8.0.2 Cobundle License Agreement to download this software.

○ Accept License Agreement   ○ Decline License Agreement

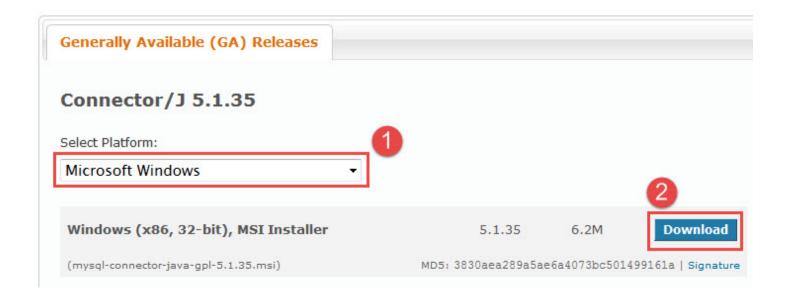| Java SE and NetBeans Cobundle (JDK 8u45 and NB 8.0.2)		
Product / File Description	**File Size**	**Download**
Linux x86	258.45 MB	jdk-8u45-nb-8_0_2-linux-i586.sh
Linux x64	254.77 MB	jdk-8u45-nb-8_0_2-linux-x64.sh
Mac OS X x64	326.61 MB	jdk-8u45-nb-8_0_2-macosx-x64.dmg
Windows x86	280.82 MB	jdk-8u45-nb-8_0_2-windows-i586.exe
Windows x64	286.17 MB	jdk-8u45-nb-8_0_2-windows-x64.exe

Second, double click on the installation file, and go through the process. You just have to click Next button until it completes.

Third, once the installation completes, you can launch it by double click on the NetBeans IDE icon.
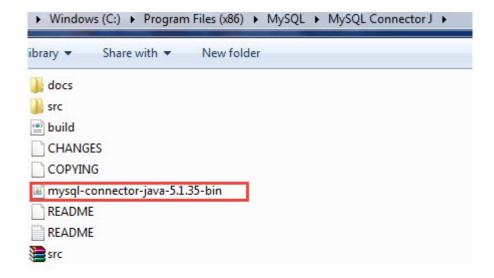
Download and install MySQL Connector/J

First, go to the Download Connector/J page on mysql.com website.

Second, select your appropriate platform. We will use Windows platform. You can choose your platform specified in the Select Platform drop down list.
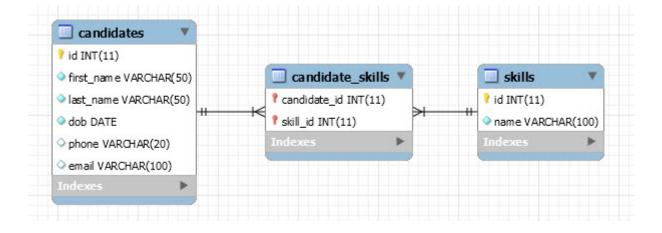
Third, double click on installation file to install the MySQL Connector/J. Once the install process completes, you can find the JAR file that you will include into your Java application as the screen below:

Load MySQL JDBC sample database

We will use a sample database named `mysqljdbc` for the sake of demonstration. The following illustrates the database diagram:

There are three tables in the sample database.

1. candidates: stores candidate data such as first name, last name, date of birth (dob), phone, and email.
2. skills: stores skills of candidates
3. candidate_skills: the pivot table links between candidates & skills

You can download the sample database via the following link:

MySQL JDBC Sample Database (4.37 kB)

976 downloads

To load the sample database, you can do the following steps:

Click Create a new schema icon in the toolbar.