



***Software Development  
Environment***

***Installation Guide***



# Software Installation Guide

This step-by-step guide is meant to help teachers and students set up the necessary software development environment. By following this guide teachers will be able to create an environment that will allow them to demonstrate the process of creating and testing BlackBerry® apps using Eclipse® IDE and BlackBerry simulator.

## Overview

In order to create the development environment, you will have to do the following 3 steps:

1. Register for free at BlackBerry Developer Zone
2. Download and install the BlackBerry® Java® Plug-in for Eclipse® that includes Eclipse IDE
3. Download and install a BlackBerry Smartphone Simulator

### What is BlackBerry Developer Zone?

The **BlackBerry Developer Zone** is a central place for developers to get tools, resources and information to develop, test and distribute for the BlackBerry® Application Platform. Anyone can register to download free development tools and get access to customized resources.

### What is Eclipse and why do I need it?

**Eclipse** is a software development environment comprising an integrated development environment (IDE) and an extensible plug-in system. Eclipse is the environment you need in order to create your programs.

### What is BlackBerry Java Plug-In and why do I need it?

The **BlackBerry Java Plug-in for Eclipse** is an Eclipse plug-in that provides an integrated BlackBerry smartphone specific development, debugging and simulation workflow. The BlackBerry Java Plug-in for Eclipse has been updated to better fit within the Eclipse environment, making it easier to develop in Eclipse.

### How long will it take me to set it all up?

Download time will depend on your internet connection speed. Total installation time for both components shouldn't be more than 10 minutes.



## Step 1 - Registering at BlackBerry Developer Zone

To register at BlackBerry Developer Zone, visit [www.blackberry.com/developers/java](http://www.blackberry.com/developers/java). Once the page loads, look for the following section:

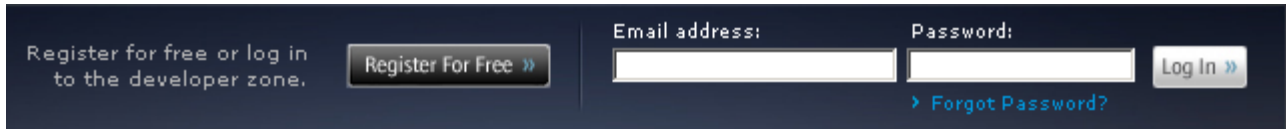


Figure 1 - Register button

Click on the **Register For Free** button and you will be presented with a registration form. Once you complete the registration process you can move on to step 2.

## Step 2 - Installing the BlackBerry Java Plug-in for Eclipse and IDE

### Download the BlackBerry Java Plug-in for Eclipse and the Eclipse IDE

First thing that you must do is create a new, empty folder on your Desktop. You can name the folder any way you like, for the purposes of this guide we will call the folder **BlackBerry Dev Tools**. Once you have created the folder it is time to download the BlackBerry Java Plug-in for Eclipse setup application. To download the setup application that includes the Eclipse IDE, visit <http://us.blackberry.com/developers/javaappdev/>.

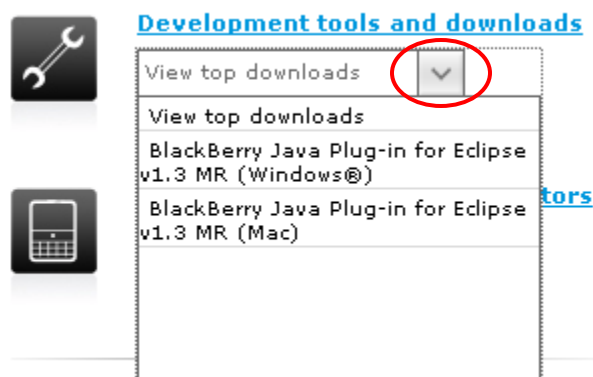
1. In the Key Information for Developing Java Applications section, under **Development tools and downloads** click on **View top downloads** drop-down arrow:



Figure 2 - Download drop-downs



2. From the dropdown menu select **BlackBerry Java Plug-in for Eclipse v1.3 MR (Windows / MAC)** version, depending on which OS you are installing the software for.



**Figure 3** - Download BlackBerry Java Plug-in for Eclipse v1.3 MR

Save the file in the folder that you have created on your Desktop, in our case **BlackBerry Dev Tools**.

### Install the BlackBerry Java Plug-in for Eclipse and the Eclipse IDE

3. After the download has completed, open the **BlackBerry Dev Tools** folder and double-click the setup application file that you have just downloaded.
4. On the **Introduction** screen, click **Next**.
5. Accept the terms of the license agreement.
6. Click **Next**.
7. Specify an empty folder where you want to install the BlackBerry Java Plug-in for Eclipse and the Eclipse IDE.
8. Click **Next**.
9. On the **Select Additional Tasks** screen, select where you want the setup application to create shortcuts for the BlackBerry Java Plug-in for Eclipse.
10. Click **Next**.
11. Review the information on the **Pre-installation Summary** screen and click **Install**.
12. Click **Done**.



## Step 3 - Installing a BlackBerry Smartphone Simulator

### 3.1 Download a BlackBerry® Smartphone Simulator

1. In your browser, navigate to <http://us.blackberry.com/developers/javaappdev/>
2. In the **BlackBerry Smartphone Simulators** section click on **Latest Simulators** drop-down arrow



**Figure 4** - Download BlackBerry Torch simulator

3. In the drop-down list, click the **BlackBerry® Torch™ 9800 smartphone simulator**. (\*)
4. Complete the information on the screen. Click **Next**. This screen is absent if you are logged in to the BlackBerry Developer Zone.
5. Accept the download agreement. Click **Next**. This screen is absent if you are logged in to the BlackBerry Developer Zone.
6. Click **Download**.
7. In the **File Download** dialog box, click **Save**.
8. In the **Save As** dialog box, specify your folder on the Desktop, in our case "**BlackBerry Dev Tools**".
9. Click **Save**.



### 3.2 Install a BlackBerry Smartphone Simulator

1. After download has completed, open the "**BlackBerry Dev Tools**" folder and double-click the setup application file that you have just downloaded.
2. **Double-click** on the file to start the installation.
3. In the **BlackBerry Smartphone Simulator Setup** dialog box, click **Next**.
4. Accept the license agreement. Click **Next**.
5. In the **Select Installation Folder** dialog box, click **Next**.
6. In the **Ready to Install** dialog box, click **Install**.
7. In the **Completing the BlackBerry Simulators Setup Wizard** dialog box, click **Finish**.

### Conclusion

At this point you should have a fully operational Eclipse IDE with installed BlackBerry Plug-In and a BlackBerry Torch 9800 simulator. To launch Eclipse IDE, double click on the "BlackBerry Java Plug-in" icon on your Desktop or in your Start menu.

\* **NOTE:** All the labs and code examples are tested to work with **BlackBerry Torch 9800 smartphone simulator**.

If you are having any technical issues with this guide, please visit the [Developer support forums](#).