

Eclipse IDE Installation Guide

Version 0.9, Draft



INSTALLATION GUIDE

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About This Document

This document explains about how to install the Eclipse Integrated Development Environment (IDE).

Scope:

This document is intended for novice users, who are new to Java ecosystem.

Document History:

| Date | Version | Comment |
|----------|---------|---------|
| 02/02/09 | 0.9 | Draft |

Reference

1. JDK Installation Guide:

[JDK Installation Guide](#)

2. For more information about Eclipse SDK, refer the links below:

<http://www.eclipse.org/downloads/index.php>

<http://dev.eclipse.org/newslists/news.eclipse.newcomer/msg00577.html>

<http://dev.eclipse.org/newslists/news.eclipse.newcomer/msg07441.html>

[http://en.wikipedia.org/wiki/Eclipse_\(software\)](http://en.wikipedia.org/wiki/Eclipse_(software))

Abbreviations:

| | |
|------|------------------------------------|
| JRE | Java Run Time Environment |
| JDK | Java Development Kit |
| SDK | Software Development Kit |
| IDE | Integrated Development Environment |
| J2SE | Java 2 Standard Edition |

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Introduction

Eclipse is used to develop applications in Java. Other than Java language C++, Cobol, Python, Perl, PHP etc are supported by using Plug-in. It is free open source Multi language software development Integrated Development Environment (IDE). Eclipse is created by the Free Software community "Eclipse Foundation, Inc". Eclipse SDK is "pure" Java code. So the chief dependence is therefore on the Java Platform. Samsung SDK is fully compatible with Eclipse IDE. Integrating Samsung SDK with Eclipse IDE reduces development efforts and cost by speeding Time to Market.

System Requirements

Minimum software and hardware requirements for installing Eclipse IDE are:

Software Requirements:

- Windows XP
- JDK 1.5 or later
- Decompression Software

Hardware Requirements:

- 700 MB hard disk space
- 512 MB System RAM
- Intel or Intel-compatible Pentium II class processor



Here Windows XP Professional is used with the Java 1.5.0 and Eclipse 3.4.1 SDK for illustrating Eclipse installation.

Installation

In order to install Eclipse IDE on Windows platform, follow the steps mentioned below:

Step 1: Eclipse requires Java Runtime Environment (JRE) for installation. Before installing the Eclipse, ensure that JDK is installed on the system. JRE comes as a part of JDK.

Step 2: Eclipse IDE is available for various programming languages. Choose *Eclipse Classic <version>* for Java Development where version can be 3.4.1. To download Eclipse IDE, please refer to the following link:

<http://www.eclipse.org/downloads/index.php>

The downloaded file should be in the form of *eclipse-SDK-<version>-win32.zip* where version can be 3.4.1. The downloaded file might have a name similar to *eclipse-SDK-3.4.1-win32.zip* or other depending on the operating system used.



Here *eclipse-SDK-3.4.1-win32.zip* is used for illustrating Eclipse installation.

Step 3: The downloaded file is in .zip format and can be extracted with any standard decompression software e.g. WinZip. Downloaded file can be extracted to c:\eclipse-SDK-3.4.1-win32.

Now the installation of Eclipse IDE is complete.

Launching

Step 1: Extracted folder *eclipse-SDK-3.4.1-win32* contains eclipse folder. In this folder, *eclipse.exe* resides. Double click on the executable to run. Example: To run the eclipse IDE, double click on *eclipse.exe* located in path. C:\eclipse-SDK-3.4.1-win32\eclipse\ *eclipse.exe*.



Figure 1: Eclipse executable

Figure 1 shows eclipse executable file icon.

To put up *eclipse.exe* on start up menu, right-click on it. It will show the “pin to start menu” option, click on it. This is the easy way to run the eclipse IDE from Windows Start Menu or alternatively create shortcut on the desktop if needed.

Step 2: After double clicking on *eclipse.exe* the Eclipse IDE will launch. Figure 2 shows the launching of eclipse IDE.

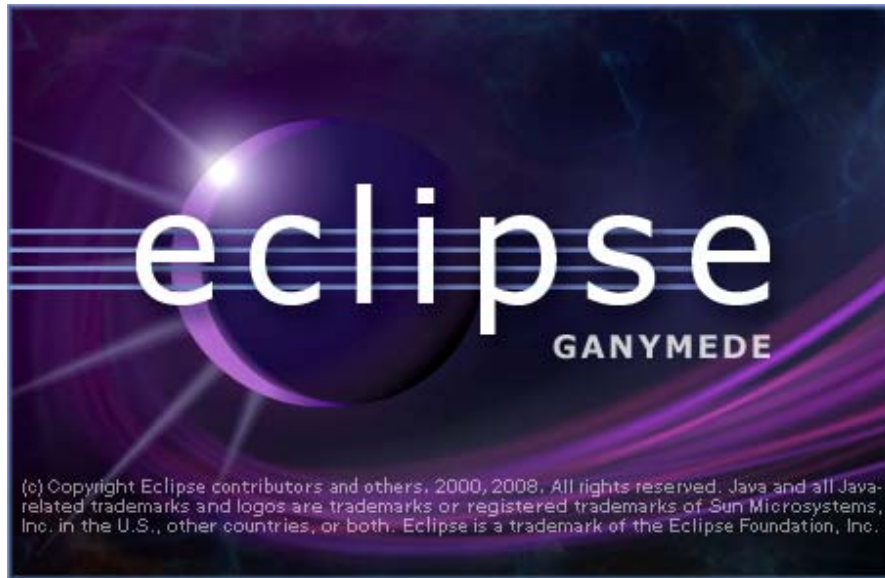


Figure 2: Eclipse launch

"Workspace Launcher" dialog box appears as shown in Figure 3. Workspace Launcher is used to store projects in a folder called workspace as shown under 'Workspace'. This is the default folder created by eclipse for project workspace or use

Click button to select the project workspace.

Click button to select the workspace.

Click button to exit the Eclipse IDE.

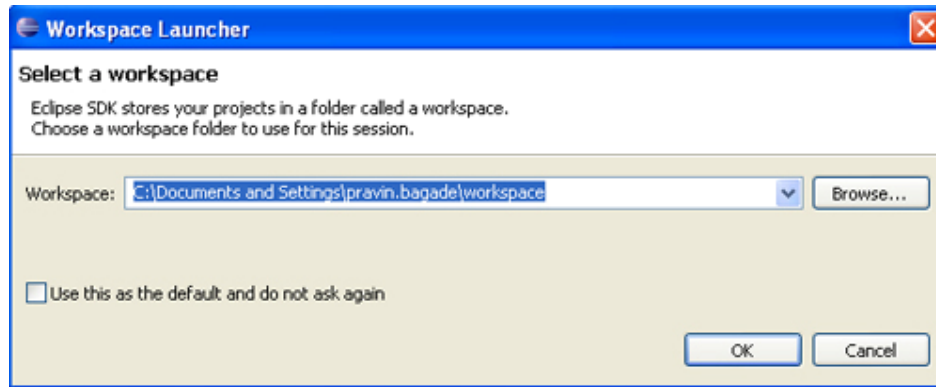


Figure 3: Workspace Launcher

Congratulations! On successful installation and launching of Eclipse IDE. Now, you are ready to develop your Java ME application. For more help, go to Java Knowledge Base of Samsung Mobile Innovator site.

Uninstalling the Eclipse



Following steps will uninstall the Eclipse.

1. There is no uninstallation option for Eclipse IDE. Delete the complete installation directory of eclipse IDE.