# How to configure Eclipse IDE for Nokia S60 applications developing

## *1) Software Required*

- Windows based system
- a Java SE (Standard Edition) Development Kit (JDK)
  - JDK 6 Update 12 reccomended
- A windows version of Pearl, such as Strawberry Pearl or others (reccomended as a Nokia SDK prerequisite)
- the Eclipse IDE (v3.3 or higher)
- Sun Java Wireless Toolkit for CLDC v2.5.2 (http://java.sun.com/products/sjwtoolkit/)
- Nokia SymbianOS/S60 5$^{th}$ Edition SDK v1.0 (http://www.forum.nokia.com/info/ sw.nokia.com/id/ ec866fab-4b76-49f6-b5a5-af0631419e9c/ S60_All_in_One_SDKs.html)
- the EclipseME plugin for Eclipse v1.7.9 (http://sourceforge.net/project/ showfiles.php?group_id=86829)
- Java ME Developer's Library v3.1 (http://www.forum.nokia.com/info/ sw.nokia.com/id/3cfc525e-f0ec-491c- badd-085c0e2df8bf/ Java_ME_Developers_Library.html)

## *2) Prepare the Nokia developing IDE*

After downloading all the applications above, perform the follow steps.

## Install required tools

1. Install Java JDK
2. Install Perl
3. Install Nokia S60 5<sup>th</sup> Edition SDK v1.0 in C:\S60\devices\S60_5th_Edition_SDK_v1.0 path
4. Install Sun Java Wireless Toolkit in C:\WTK2.5.2_01

## The Eclipse IDE

1. Extract Eclipse zip file in the disk location that you want.
2. Start Eclipse. When asked for a workspace directory to use, give a directory to be used as you Eclipse workspace directory, such as C:\myPath\eclipse_workspace\, or accept the default.

## EclipseME Plugin

1. Select the menu item **Help -> Software Updates -> Find and Install (Help -> install New Software** in Eclipse 3.5)
2. Select the radio button: **Search for new features to install** and press **Next.**
3. Press the button **New Archived Site**. In the file selection dialog that appears, select the EclipseME installation file you downloaded, eclipseme.feature_1.7.9_site.zip.
4. In the previous dialog, make sure the eclipseme.feature_1.7.9_site.zip checkbox is the only one selected, and press **Finish**.
5. Select the eclipseme.feature_1.7.9_site.zip checkbox and press **Next.**
6. Select the **I accept the terms in the license agreement** radio button, and press **Next.**
7. Press **Install**.
8. Press **Yes** to restart Eclipse, and select the previously workspace.

## Configure EclipseME

1. Select the menu item **Window -> Preferences**.
2. Expand **J2ME** point and select **Device Management**.
3. In the settings section of the dialog, press **Import**.

4. In the dialog opened, browse for the directory C:\S60\devices\S60_5th_Edition_SDK_v1.0 Click **Refresh**.
5. Check the S60Emulator and S60Device devices' checkboxes. Press **Finish**.
6. Press **Import** again.
7. In the new dialog, browse for the directory C:\WTK2.5.2_01 (the directory path where you installed the Wireless Toolkit). Click **Refresh**.
8. Make sure all the four devices' checkboxes are checked. Press **Finish**.
9. Back in the main dialog, select S60Emulator as the default device.
10. Click **OK.**

## Configure Eclipse's Java options

1. In Eclipse, select the menu item **Window -> Preferences**.
2. Expand node **Java -> Build Path**.
3. Expand node **Java -> Debug**.
4. Uncheck **Suspend execution on uncaught exceptions**.
5. Uncheck **Suspend execution on compilation errors**.
6. Set **Debugger timeout (ms)** to 60000.
7. Press **OK.**

# Java ME Developer's Library plug-in

1. Close Eclipse.
2. Unzip the file
   Java_ME_Developers_Library_v3_1_eclipse_plugin.z
   you downloaded.
3. Copy the unzipped file
   Java_Developers_Library_3.1.0.jar into
   plugins folder in your Eclipse installation
   directory.
4. Start Eclipse. If you select **Help | Help
   Contents** in the menu items, you can see the
   Java ME Developer's Library as the node
   JavaTM ME Developer's Library 3.1.