

Getting Started

Read Me First!

Start

with

CodeWarrior™

Read Me First!

Software Development Tools

Start Here.

for Mac® OS

Read Me First!

Start Here.

JAVA

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Welcome!

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BASIC SYSTEM REQUIREMENTS

	<u>Classic Mac OS development</u>	<u>Mac OS X development</u>
Hardware	PowerPC 601 or greater processor (no 68K support), 64 MB of RAM, CD-ROM drive	PowerPC G3 processor or higher, 128 MB RAM, CD-ROM drive
Software	Mac OS System 8.6 or later (9.1 recommended) with CarbonLib 1.4	Mac OS X v10.1
Disk Space	500 MB (250 MB for a minimum install)	500 MB (250 MB for a minimum install)

Installing CodeWarrior for Mac OS

Follow these steps to successfully install CodeWarrior for Mac OS:

- 1. Make sure the latest publicly released Carbon library is installed before installing CodeWarrior tools.**

The CodeWarrior installer and the CodeWarrior IDE are Carbon applications. CarbonLib 1.4 must be installed in your Extensions folder before you can run this installer, and is available for download from Apple's website: <http://developer.apple.com/sdk/>

- 2. Make sure the MRJ Software Development Kit (SDK) 2.2 and MRJ 2.2.5 are installed.**

We have tested the CodeWarrior Java tools with the MRJ 2.2 SDK and MRJ 2.2.5. These are both available from Apple's website: <http://developer.apple.com/java/download.html>

***Note:** Make sure that you download the MRJ Software Development Kit 2.2 – not the MRJ 2.2.2 Redistribution SDK.*

- 3. Install the CodeWarrior software.**

Insert the CodeWarrior Tools CD. Double-click the CodeWarrior Tools CD icon. Double-click **Install CodeWarrior** to begin the installation, and follow the on-screen instructions.

- 4. Register the CodeWarrior software.**

To complete the registration now, enter the requested information, click **Next Page**, then click **Register**.

To skip registration, click **Register Later**. When you are ready to register at a later time, run the installer, click **Continue**, click **Accept**, click **Continue**, then choose **File > Register Now** and enter the requested information.

***Note:** You must restart your computer after installing the CodeWarrior software.*

Creating a Mac OS Console Java Application

Follow the steps below to create a simple console application.

1. Launch the CodeWarrior IDE.

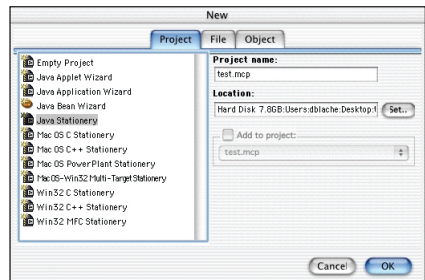
Open the **Metrowerks CodeWarrior** folder (located in the CodeWarrior installation folder). Then double-click **Start CodeWarrior**.

2. Create a project using CodeWarrior stationery.

Choose **File > New**. The IDE displays the **New** window.

Select “Java Stationery” from the stationery list on the left side of the **New** window.

In the **Project name** text field, type a project name and add the “.mcp” extension (for example, “test.mcp”).



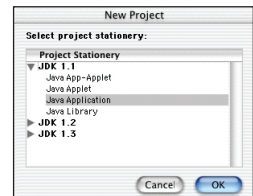
Note: The extension “.mcp” is the standard file name extension for CodeWarrior project files.

Specify a **Location** for the project. To specify the folder where the project file is saved, click **Set...** and use the standard file dialog to save your project.

Click **OK** to continue. The IDE displays the **New Project** window.

In the **New Project** window, expand the **JDK 1.1** disclosure triangle and choose the “Java Application” project stationery.

Click **OK** to continue. The CodeWarrior IDE creates a project with all the required libraries and displays the Project window.



3. Remove the placeholder source file from the project.

To remove the unneeded placeholder file `TrivialApplication.java` from the project, open the **Sources** group (by clicking the disclosure triangle next to it), select the file named `TrivialApplication.java` in the Project window, choose **Edit > Clear**, then click **OK** in the next dialog box.

4. Create a blank text file.

Choose **File > New Text File** to create a blank text file. The IDE displays a new untitled text window.

5. Enter the example code.

Enter the following source code in the editor window:

```
/* A minimal Mac OS Java application */
public class MyJavaApp {
    public static void main(String args[]) {
        System.out.println( " My very own Hello World!" );
    }
}
```

6. Save the source file.

To save your source file, choose **File > Save**. When the IDE displays the **Save As** dialog box, name the source file `MyJavaApp.java` and click **Save**.

Note: The IDE recognizes Java source code files by the `.java` file name extension.

7. Add the file to the project.

With the editor window in the foreground, choose **Project > Add MyJavaApp.java to Project**. The IDE displays the **Add Files** window. Click **OK**. The IDE adds the file `MyJavaApp.java` to the Project window.

*Note: The IDE uses groups to organize items in the Project window. To move your new source file into the **Sources** group, drag the file `MyJavaApp.java` to the **Sources** group in the Project window.*

8. Specify the Main Class name.

By deleting the file `TrivialApplication.java`, we need to change the name of the main class from `TrivialApplication.java` to `MyJavaApp`.

Choose **Edit > Java Application Release Settings...** to display the **Target Settings** window.

Click **Java Target** on the left side of the window to display the Java Target settings panel.

Enter `MyJavaApp` into the **Main Class** text field.

Click **Save** to save your changes.

Close the **Target Settings** window.

9. Compile, link and run the example.

Choose **Project > Run**. The IDE compiles, links, and runs the console project.

Congratulations! You have created a simple Java console program using the CodeWarrior IDE.



Technical References

To learn more about...	Look here...
CodeWarrior Help	Choose Help > CodeWarrior Help to access the online help.
Online Manuals	Choose Help > Online Manuals to access the CodeWarrior HTML documentation. In addition, all CodeWarrior documentation is available in PDF and HTML formats in the <code>CodeWarrior Manuals</code> folder.
Specific target issues	Read the <i>Targeting the Java VM</i> manual.
General IDE, RAD and debugger issues	Read the <i>IDE User Guide</i> .
Java	Read the <i>Targeting the Java VM</i> manual and Sun's Java documentation located in the <code>Java Documentation</code> directory.

Project Management in the CodeWarrior IDE

The following table presents some common project management features:

Task	Menu Command
Create a new project	File > New...
Open an existing project or source file	File > Open...
Add a file to an existing project	Project > Add Files...
Remove a file from the Project window	Edit > Clear
Edit target settings	Edit > [Target Name] Settings...
Compile project files	Project > Compile
Build the current target	Project > Make
Compile, build and execute the current target	Project > Run
Compile, build and debug the current target	Project > Debug

Additional Menu Key Bindings

An extensive table of IDE menu key bindings (menu commands) is available in the *CodeWarrior IDE 4.2.5 Quick Reference* card, included with this product.



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