

Eclipse First Steps

This guide is intended to follow the installation and configuration of the EMAC Eclipse distribution. It will familiarize you with the basic steps involved in opening an instance of Eclipse and changing the layout of the Eclipse UI using Eclipse Perspectives. However, please note that this short tutorial is not intended as a comprehensive guide to Eclipse. Please see the official Eclipse documentation (<http://www.eclipse.org/documentation/>) for more in-depth documentation on Eclipse.

Procedure

1. To initiate the Eclipse GUI as shown in Figure 1, run the application with the following command or select the graphical shortcut created in the Configuration section.

```
$ /target/directory/eclipse/eclipse
```



Figure 1. Eclipse Splash Window

2. After a short delay, a dialog window will prompt the user for a workspace location as shown in Figure 2. The workspace is the folder to which Eclipse will default when opening existing projects or creating new ones. Click the checkbox labeled "Use this as the default and do not ask again." to set this workspace as the default for every session.

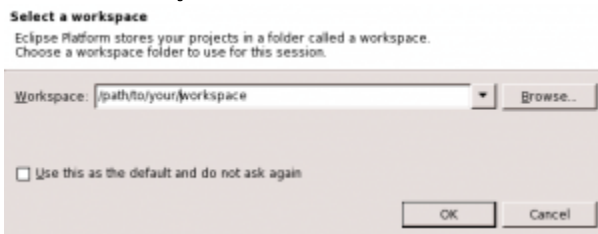


Figure 2. Choose Workspace

3. After choosing a workspace directory, the splash screen will eventually be replaced by the Eclipse welcome screen as shown in Figure 3. EMAC recommends exploring the links on this welcome screen as they contain valuable information about Eclipse. Note that if an existing workspace from a previous Eclipse installation is selected, the settings from that workspace will affect the way Eclipse operates once started. EMAC recommends that a new workspace is used for this guide to ensure that the screen shots provided here are valid. A new workspace is created by typing the new directory's absolute path into the dialog shown in Figure 2. For example, to create a workspace in the home directory named "EMAC_workspace", type `/home/user_name/EMAC_workspace/`.



Figure 3. Eclipse Welcome Screen

- Next, click on the Workbench icon which is located in the upper right corner of the screen as shown in Figure 3. This brings up the default Eclipse perspective, shown in Figure 4.

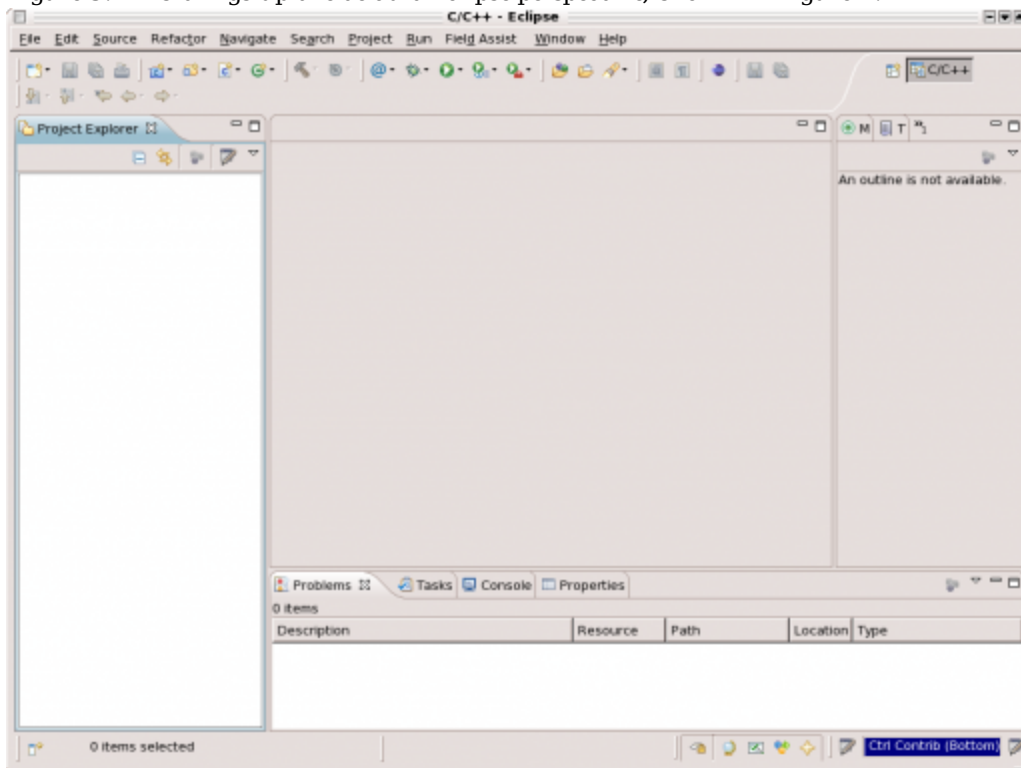


Figure 4. Eclipse Workbench Platform

- Initially, the Eclipse Workbench opens in the C/C++ Perspective. However, there may be times when a programming session leads to another perspective, such as the Resource Perspective. The C/C++ Perspective

can be set from any other perspective by selecting the *Window → Open Perspectives* from the Eclipse menu bar and choosing the C/C++ menu item as shown in Figure 5. Note that this demonstration uses the Resource Perspective. Each perspective has its own list of perspectives which is shown by default in the *Window → Open Perspectives* menu; some perspectives may not show the C/C++ Perspective as an option here and will require that the *Other...* menu item is selected.

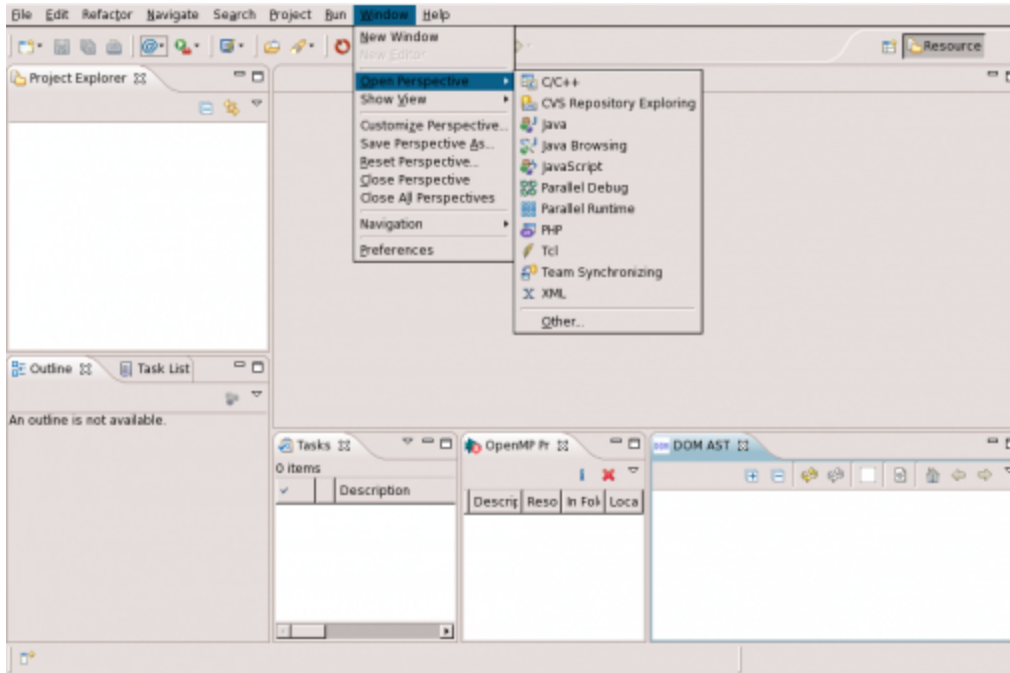


Figure 5. Eclipse Perspective Window

Next Steps

It is recommended that you spend some time familiarizing yourself with the layout of the GUI; read the Eclipse documentation, explore the help contents, and try following some of the tutorials available through the welcome screen. The next step in using Eclipse to develop applications for EMAC products is importing the EMAC OpenEmbedded SDK into Eclipse.

See Also

- Eclipse IDE
 - Install
 - Development System Configuration
 - First Time Using Eclipse
 - Import EMAC OE SDK
 - Eclipse Terminal View
 - Using the EMAC OE SDK Examples Projects
 - Create New EMAC OE SDK Projects
 - Using the EMAC OE SDK Eclipse Plugin
 - Remote System Explorer Configuration
 - RSE Setup
 - RSE SFTP Setup
 - Remote Shell/Terminal Setup
 - Execute Remote Applications
 - Debug Remote Applications

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