

FIXME Elaborate and add details ===== Developing MIOS Apps with Eclipse =====
Overview ===== Eclipse IDE is a platform-independent development environment. However, you'll need a number of other tools that are not platform independent. You'll need GPUTILS and SDCC to compile for the PIC micro-controller. Please fallback to following guides depending on your platform to get the necessary installation informations: * Windows : [[windows_toolchain_quickstart|Windows Toolchain Quickstart]] * Mac OS X : [[Installing GPUTILS and SDCC on OSX]] * Linux : [[Installing GPUTILS and SDCC on Gentoo Linux]] Along with GPUTILS and SDCC we will install [[http://www.eclipse.org/Eclipse IDE]] and the Eclipse [[http://www.eclipse.org/cdt/C/C++ Development Tools]] (aka CDT). Finally, we will install the [[http://eclipse-sdcc.sourceforge.net/EclipseSDCC]] plugin that integrates the open source Small Device C Compiler (SDCC) within the Eclipse/CDT. **__WARNING__** Please note that EclipseSDCC is only compatible to **Eclipse 3.1** yet. This means that you'll need a dedicated fresh 3.1 version in case you have a 3.3 for other uses. This page will be updated when a new version of the EclipseSDCC plugin will be available. ===== Install Eclipse IDE and CDT ===== * [[http://archive.eclipse.org/eclipse/downloads/drops/R-3.1.2-200601181600/index.php|Download the correct Eclipse "Platform Runtime Binary" for your platform]] (lots of platforms are available) * Unzip it in the appropriate directory. * Launch Eclipse * Select the directory where your projects will be hosted * Open the Update Manager (Help > Software Updates > Find and Install...) * Select "Search for new features to install" and press "Next" * Click "New Remote Site..." and enter the "http://download.eclipse.org/tools/cdt/releases/eclipse3.1/" as the update site URL. * Press "Finish" * Select the CDT update site mirror * Check the "Eclipse C/C++ Development Tools" node and press "Next" (the "SDK" feature is for those who wants to extend CDT...) * Accept the term in the licence agreements * Optionally change the CDT location (or leave it in your eclipse distro) and press "Finish" ===== Install EclipseSDCC plugin ===== * Quit Eclipse * [[http://sourceforge.net/project/showfiles.php?group_id=160896&package_id=182340&release_id=399105|Download the correct EclipseSDCC binary for your platform]] * Extract the archive in a temp directory tar xvzf net.sourceforge.eclipsesdcc-1.0.0-linux.gtk.x86.tar.gz * Copy contents of the features/ directory to the features/ directory of your eclipse install and do the same for plugins. cd net.sourceforge.eclipsesdcc-1.0.0-linux.gtk.x86/ cp -R features/* /opt/eclipse-3.1.2/features/ cp -R plugins/* /opt/eclipse-3.1.2/plugins/ * Relaunch Eclipse Now we are done with installation. We now have to configure Eclipse properly. ===== Configure Eclipse ===== ===== Create a new project =====

From:

<http://midibox.org/dokuwiki/> - **MIDIbox**

Permanent link:

http://midibox.org/dokuwiki/doku.php?id=howto_app_dev_eclipse_ide&rev=1234635590



Last update: **2009/02/14 18:19**