1. 1、Eclipse及CDT的安装
2. 在Eclipse的官方网站http://www.eclipse.org上下载Eclipse。
3. CDT的全称是C/C++ DevelopmentTools，CDT使得Eclipse能够支持C/C++的开发。下载完成后，将这两个压缩包解压到Eclipse的目录中或通过插件方式安装。下载的CDT的版本应和Eclipse的版本对应。也可以直接下载 eclipse CDT 集成版:http://www.eclipse.org/downloads/packages/eclipse-ide-cc-developers/lunasr2
4. 2、安装MinGW
5. MinGW（Minimalist GNU for Windows）是一组可免费获取、自由分发的特定于 Windows 的头文件和导入库，这些头文件和导入库与 GNU 工具集结合在一起。
6. 这个部件是C/C++的编译器。在网站 http://mingw.sourceforge.net下载MinGW，安装。
7. 3、添加环境变量
8. 右键 我的电脑->属性->高级->环境变量->系统变量中添加
9. MINGW\_HOME=C:/MinGW
10. LIBRARY\_PATH = %MINGW\_HOME%/lib
11. C\_INCLUDE\_PATH = %MINGW\_HOME%/include
12. 在PATH变量的最后增加 ;%MINGW\_HOME%/bin
13. 4、配置MinGW
14. 在安装目录C:\MinGW\bin下，将mingw32-make.exe改名为make.exe，因为
15. Eclipse预设用来编译的文件为 make.exe。
16. 打开cmd，输入gcc -v 测试一下编译环境是否安装成功。
17. 5、配置Eclipse
18. 在 Eclipse 中进行设定：
19. Window->Preferences->C/C++->Make->NewMake Project->New Builder
20. ->Binary Parser，取消 Elf Parser 改选 PE WindowsParser
21. 6、创建、编译C/C++工程
22. File - New- C++ Project，名称 test，选择“Hello World C++ Project” 和“MinGW GCC”,选择“Finish”。
23. 之后，可以运行.cpp文件进行测试，可以看到下方的“!!!Hello World!!!“结果，表明安装成功啦……

碰到问题：

eclipse 的toolchains无法找到Mingw

解决方法：一句话说明，就是把mingw中bin目录下的gcc.exe改名为mingw32-gcc.exe

I installed MinGW toolchain on my PC but Eclipse won't find it.

The following algorithm is used as of CDT 7.0 (Helios). Note that older releases may use different algorithm. That is org.eclipse.cdt.managedbuilder.gnu.mingw.MingwEnvironmentVariableSupplier if you want more details.

1. Look at the mingw directory in the platform install directory. CDT distributions like Wascana may distribute MinGW like that.

2. Try the directory above the install dir (another possible distribution).

3. Look in PATH values. More specifically, it tries to find mingw32-gcc.exe in each path.

4. Try looking if the mingw installer ran (registry.getLocalMachineValue("SOFTWARE\\Microsoft\\Windows\\CurrentVersion\\Uninstall\\MinGW", "InstallLocation"); ).

5. Try the default MinGW install dir ("C:\\MinGW\\bin").

Don't forget to restart eclipse if you changed PATH environment variable.

If you define a MINGW\_HOME environment variable on Windows, you may need to restart the system before the variable is visible in Eclipse (to check that Eclipse knows of the MINGW\_HOME variable, right-click on any project in a Project Explorer/Package Explorer/Navigator view, then on Run As > Run Configurations > Environment > Select; you should be able to see MINGW\_HOME in the list).

Despite having g++.exe or gcc.exe on your PATH and having defined MINGW\_HOME, you may still get a “Toolchain "MinGW GCC" is not detected” message (CDT 8.4 on Luna 4.4.0). Make sure that a file called "mingw32-gcc.exe" exists in MINGW\_HOME\bin. If it doesn't exist (which happens with MinGW-W64), copy a -gcc.exe file (e.g. i686-w64-mingw32-gcc.exe) to mingw32-gcc.exe. If the dreaded message still lingers around, reboot your system (don't just logout and login).