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Enable C/C++11 in Eclipse Luna

Time:09-10-2014 04:37 Source:CodersVoice Author:Jian Fang Clicks: 788
This article shows how to set up C++11 support in Eclipse (Luna)
(You may also watch the video for this article in YouTube. **Watch here**)
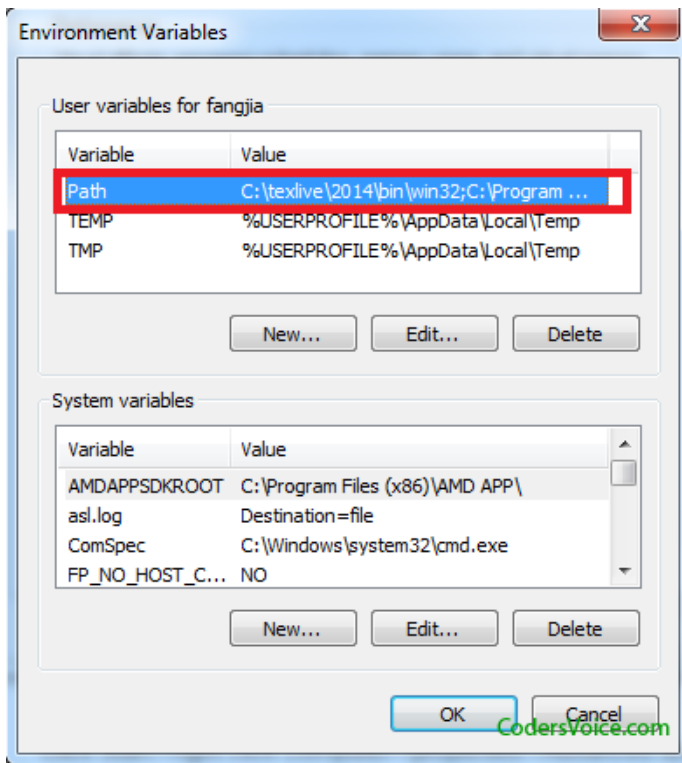
Install MinGW-w64:

To enable C++11 support in Eclipse for Windows, you need to have three installed:

1. Jave Runtime Environment (Needed for running Eclipse)   Download (JDK 8)
2. MinGW-w64 gcc compiler (provides C++11 support)   Download (MinGW Windows version)
3. Eclipse with CDT (C Development Tools)   Download (CDT 8.5.0 for Eclipse Luna)

These software can be downloaded from the links above.

Install JDK (JRE included) should be quite straightforward. After MinGW-w64 is downloaded and installed, you need
to set up the PATH environment variable for your Windows machine (Windows 7):
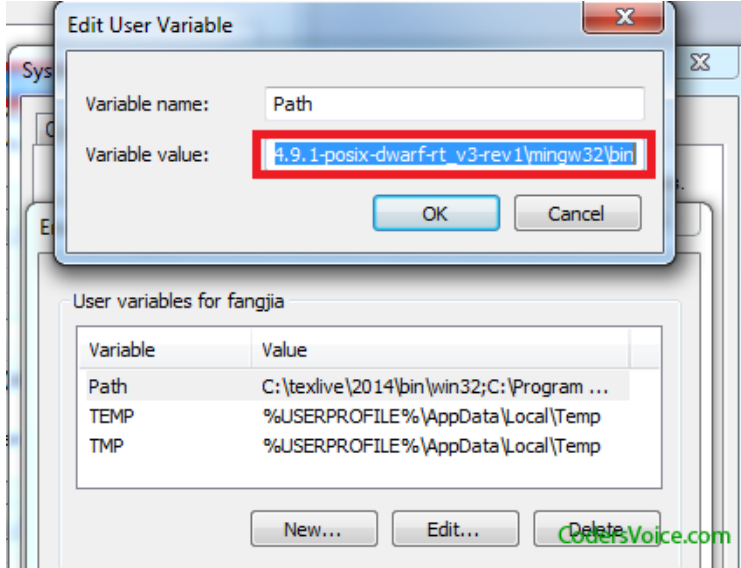
1. Click Start
2. right click Computer
3. Click properties
4. Click Advanced system settings
5. Click Environment variables
6. Select the Path variable
7. Click Edit and add the path of MinGW-w64 gcc compiler.

By default, MinGW-w64 gcc compiler is installed in the Program Files (x86) folder, and you may install it to any folder you want by selecting the folder during installation. In my computer, the path of MinGW-w64 gcc compiler is:
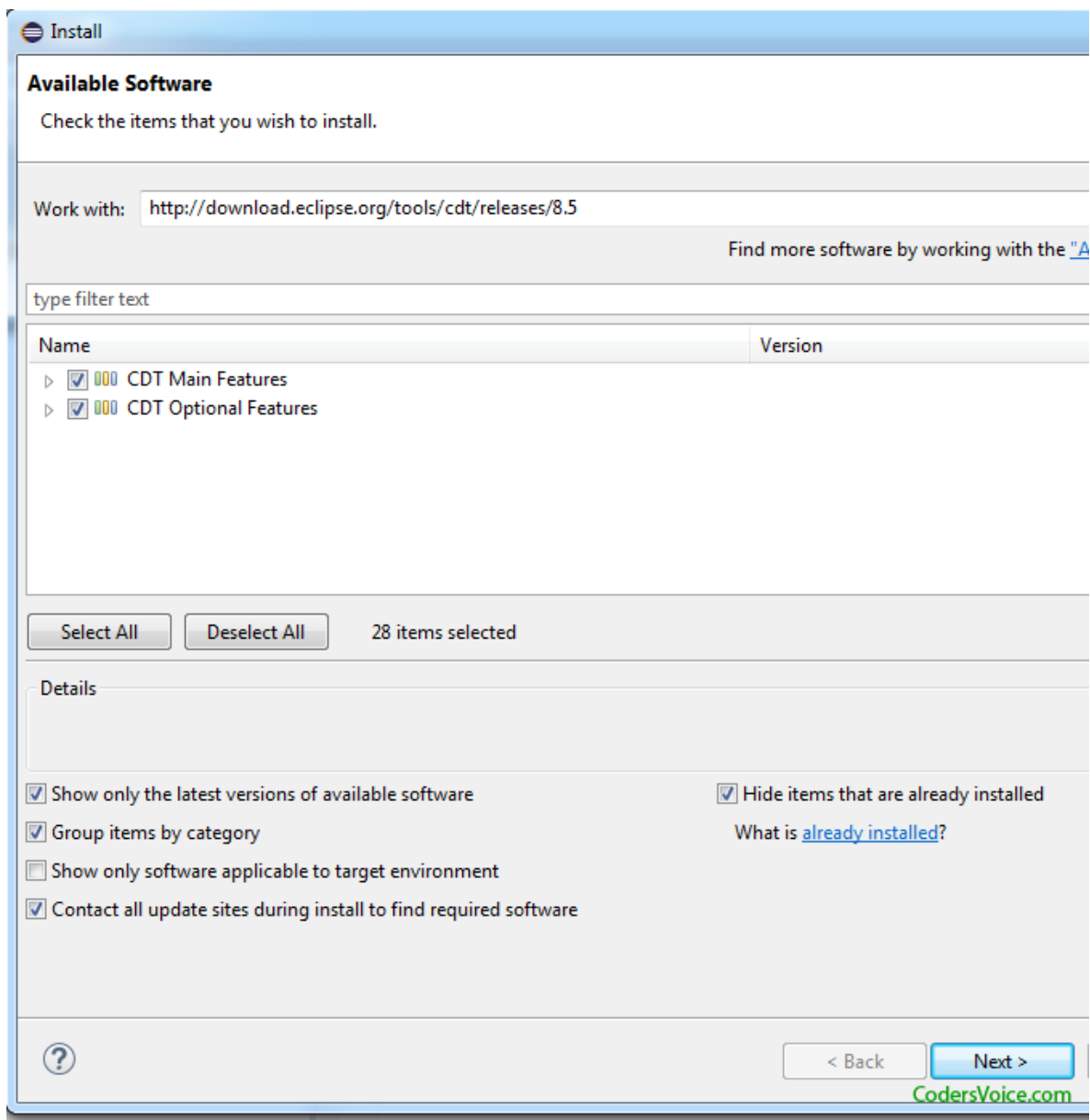
C:\Program Files (x86)\mingw-w64\i686-4.9.1-posix-dwarf-rt_v3-rev1\mingw32

Append this address to the Path environment variable.

Install CDT:

1. Open Eclipse
2. Clik Help then Install New Software
3. Enter the CDT repository web address in the 'Work with' box:
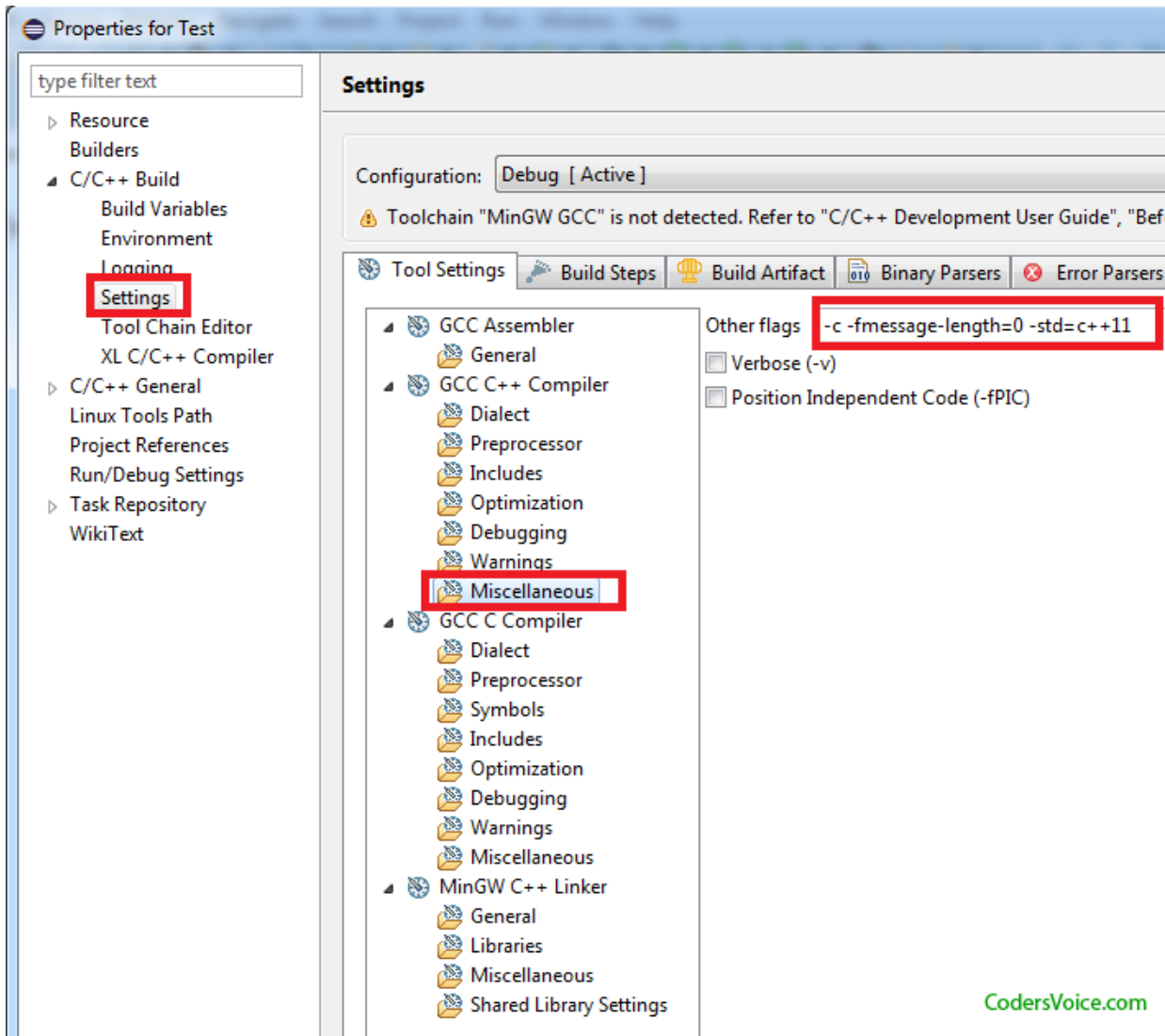4. Click Select All->Click Next to install CDT.

Configure Eclipse:

Setting up the compiler is fairly straightforward:
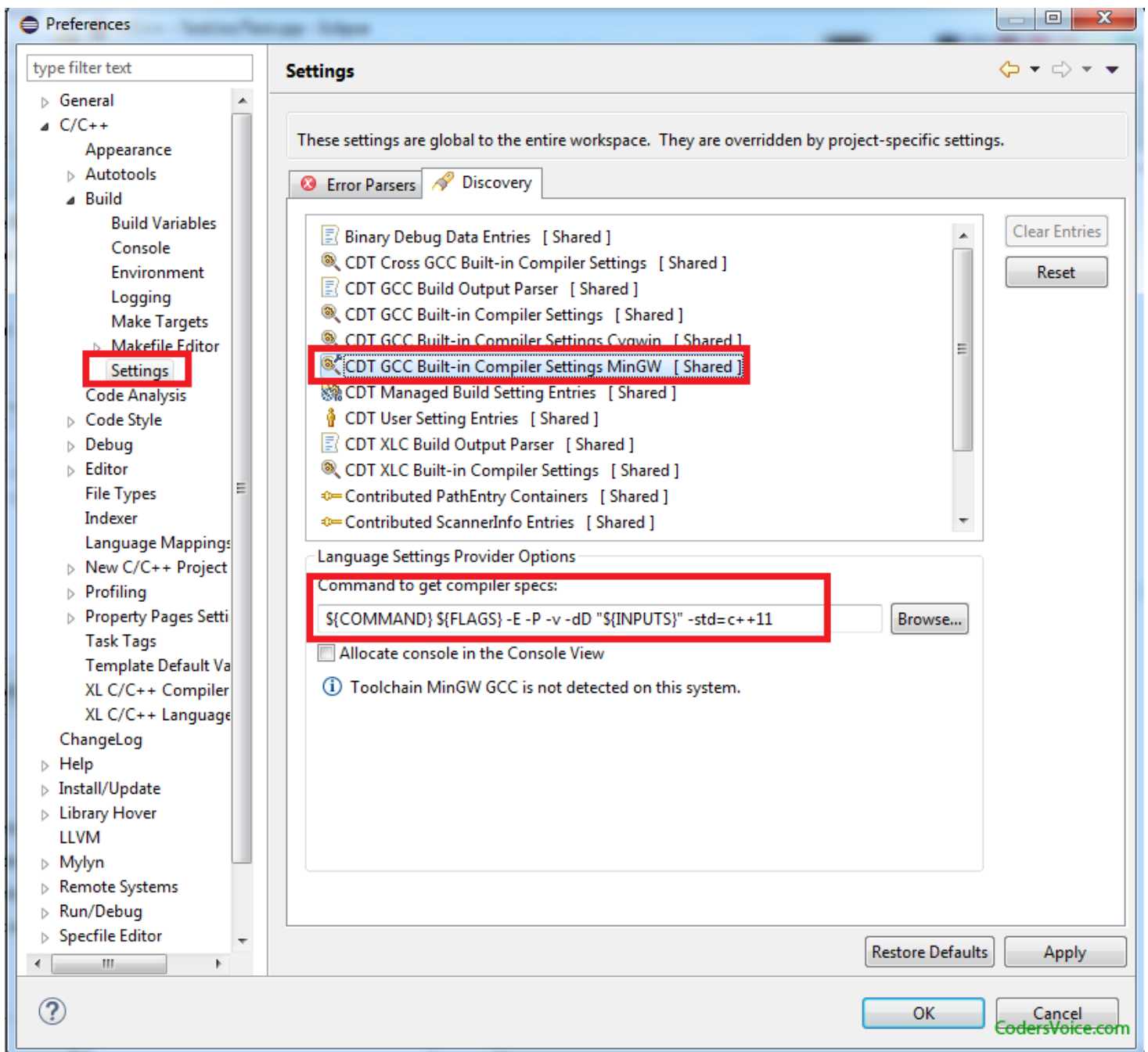
Project Settings:

1. Create a new C++ project
2. Right click your project and click Properties
3. Under C/C++ Build click Settings
4. Under GCC C++ Compiler, click Miscellaneous
5. In the Other Flags box, append "-std=c++11" to the list of tokens.
6. Click Apply and OK

Workspace settings:

1. Open Eclipse
2. Click Window->Preference -> Build -> Settings ->Discovery -> CDT GCC Built-in Compiler Settings MinGW(shared)
3. In the Command to get compiler specs section, add '-std=c++11' to default value
${COMMAND} -E -P -v -dD "${INPUTS}"

So far, the Elipse is set up for compiling C++11 features. You may test it with a program with C++11 features now.

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