Supplement

Installing the MinGW C++ Compiler

For Introduction to C++ Programming Y. Daniel Liang

You may download a free C++ compiler from several sources. This supplement shows you how to download and install the MinGW compiler.

To download the MinGW compiler, go to http://www.mingw.org/wiki/Getting_Started, as shown in Figure 1. Click the hyperlink on mingw-get-setup.exe to download mingw-get-setup.exe. Save the file and run the installation from this file. After the installation is completed, open a Windows command prompt from the Start button. Go to c:\MinGW\bin directory and type g++ -v to check if the compiler works, as shown in Figure 2. Go to Supplement I.C to create, compile, and run a program using g++.

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| | Administrative Update As of June 2013 we are accepting donations. Please see the Donate page for more information on how to Donate. | View Revisions Posted May 22nd, 2007 by julienlecomte | Search mingw-users Choose Mall List: MinGW-users V Search Powered by | |
| | User login Login/Register | No version numbering convention exists for MinGW as a whole. Each package has its own version number, and the installer version number does not correlate, <i>in any way</i> , with the version number of any individual package which it installs. | SOURCEFORGE | |
| | Navigation © About © Contact © Donate © History | The preferred installation target directory is <i>C</i> : \ <i>MinGW</i> The preferred installation method is using the automated installer tool, as described below. While a manual installation is possible, we do not recommend it, unless you have a very old version of MS- Windows which is unable to run the graphical tool. Instructions for manual installation are provided below, if you really want (or need) to resort to it. | What Can You Do for MinGW? | |
| lick ingw-get-setup | Licensing Terms Mailing Lists Privacy Reporting Bugs Submit Patches Sitemap | After installation you will need to perform some additional tasks yourself to ensure your MinGW applications will run. Most importantly, you will need to make changes to your PATH environment variable. Be careful: there are two PATH variables which can be changed, and changing the wrong one can have significant consequences. Instructions for changing the correct PATH variable are provided below. | There are various activities that require willing helpers who have a few minutes to spare each week. Below is a list of a few of those things you can help us with. | |
| | Downloads Documentation MinGWiki Pages FAQ Getting Started HowTO | environment. While it is possible to install MinGW to a location other than C:\MinGW (e.g. on a different dive) you must ensure that the MinGW environment knows where it is located. Instructions for doing this are also provided below. Graphical User Interface Installer | Drupal Administration Content Administration Wiki Content Updates Ubuntu Server Administration | |
| | Old MinGWiki Recent posts Feed aggregator | An automated GUI installer assistant called <i>mingw-get-setup.exe</i> is the preferred method for first time installation. This will guide you through the setup of the <i>mingw-get</i> installer proper; you will then use this to perform further package installations, and to manage your installation. To perform your first time MinGW installation, you should proceed as follows: | Software Package Contributions Runtime Updates Windows API Updates | |
| | Who's online There are currently 2 users and 77 quests online. | Click on this mingw-get-setup.exe link, to download the latest available version of mingw-get- setup.exe; (Note: you should always download the latest available version of this; never use a possibly out-of-date copy, which may have been sitting on your local disk drive, or local network. | This is not an exhaustive list there are plenty of other things we do. If you would | |

Figure 1

Click minggw-get-inst to locate a version to install.

```
Command Prompt
                                                                     <u>- | | | | |</u>
c:\MinGW\bin>g++ -v
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Using built-in specs.
COLLECT_GCC=g++
COLLECT_LTO_WRAPPER=c:/mingw/bin/../libexec/gcc/mingw32/4.6.2/lto
Target: mingw32
Configured with: ../gcc-4.6.2/configure --enable-languages=c,c++,
c,obj-c++ --disable-sjlj-exceptions --with-dwarf2 --enable-shared
mp --disable-win32-registry --enable-libstdcxx-debug --enable-ver
untime-libs --build=mingw32 --prefix=/mingw
Thread model: win32
gcc version 4.6.2 (GCC)
c:\MinGW\bin≻
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```

Figure 2

g++ is the command to compile a C++ source code.