

This document outlines the steps necessary to install the Eclipse C++ Integrated Development Environment (IDE) on a computer running Windows 7, 64 bit edition. The document also provides links to further reading that may be of use in preparing for the Eclipse installation. There are several prerequisites to installing Eclipse. This document describes these prerequisites and outlines the installation of other software required prior to installing Eclipse.

1. Before installing Eclipse you may also want to review notes at:

<http://help.eclipse.org/indigo/index.jsp>

In particular, expand the link “C/C++ Development User Guide” and scan over the “Before you begin” section.

2. If not already installed, download and install java from:

<http://java.com/en/download/manual.jsp>

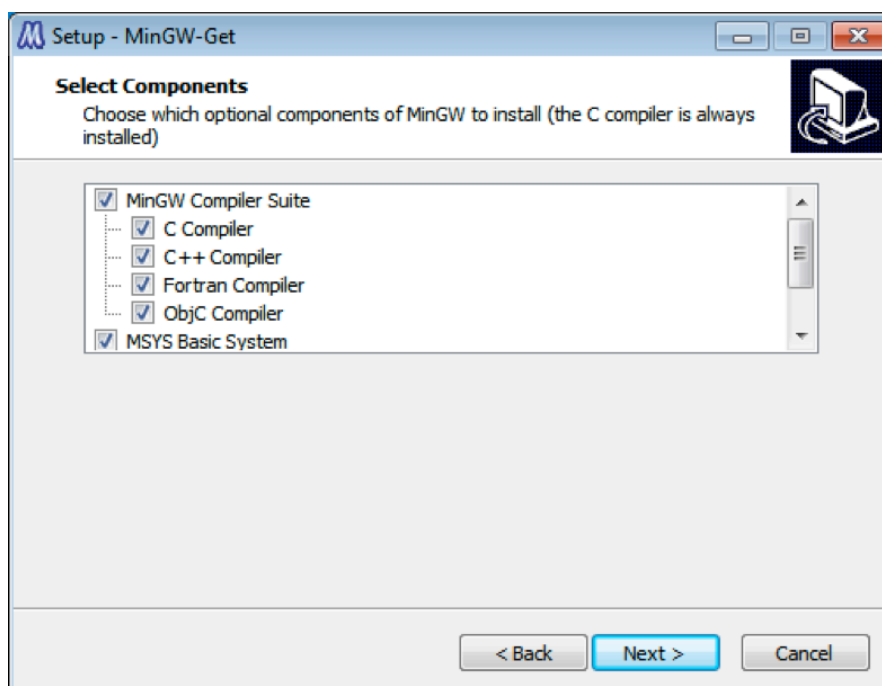
be sure to get the right version (in this example the 64bit version for Windows 7, 64bit)

3. Download MinGW compiler. Get the latest version:

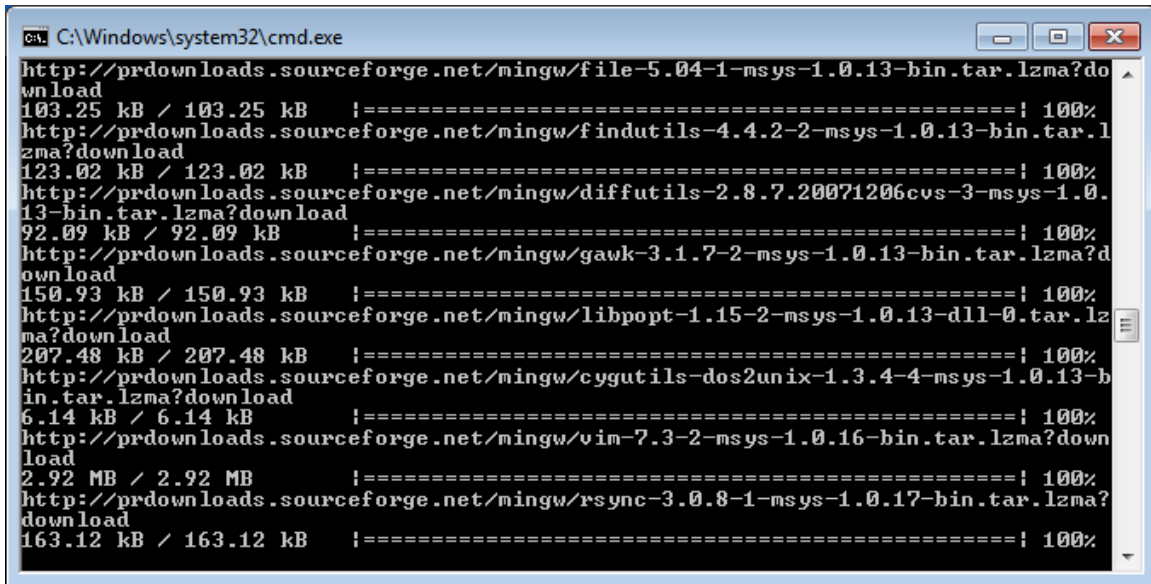
<http://sourceforge.net/projects/mingw/files/MinGW/>

(as of 2012-03-24 that should be: mingw-get-inst-20111118.exe (591.9 kB) additionally, you should be taken to the correct file for your version of Windows automatically)

After executing the installation file accept the default options on each dialog box until the **Select Components** dialog. Here you should check all boxes.



The MinGW installation will run for quite a while, just let everything run to completion.



```
C:\Windows\system32\cmd.exe
http://prdownloads.sourceforge.net/mingw/file-5.04-1-msys-1.0.13-bin.tar.lzma?download
103.25 kB / 103.25 kB |=====| 100%
http://prdownloads.sourceforge.net/mingw/findutils-4.4.2-2-msys-1.0.13-bin.tar.lzma?download
123.02 kB / 123.02 kB |=====| 100%
http://prdownloads.sourceforge.net/mingw/diffutils-2.8.7.20071206cvs-3-msys-1.0.13-bin.tar.lzma?download
92.09 kB / 92.09 kB |=====| 100%
http://prdownloads.sourceforge.net/mingw/gawk-3.1.7-2-msys-1.0.13-bin.tar.lzma?download
150.93 kB / 150.93 kB |=====| 100%
http://prdownloads.sourceforge.net/mingw/libpopt-1.15-2-msys-1.0.13-dll-0.tar.lzma?download
207.48 kB / 207.48 kB |=====| 100%
http://prdownloads.sourceforge.net/mingw/cygutils-dos2unix-1.3.4-4-msys-1.0.13-bin.tar.lzma?download
6.14 kB / 6.14 kB |=====| 100%
http://prdownloads.sourceforge.net/mingw/vim-7.3-2-msys-1.0.16-bin.tar.lzma?download
2.92 MB / 2.92 MB |=====| 100%
http://prdownloads.sourceforge.net/mingw/rsync-3.0.8-1-msys-1.0.17-bin.tar.lzma?download
163.12 kB / 163.12 kB |=====| 100%
```

4. The eclipse installation page claims that windows does not correctly unzip their files. Eclipse recommends using 7-zip (<http://wiki.eclipse.org/Eclipse/Installation>)

It is free to download, so no harm done getting it first as well.

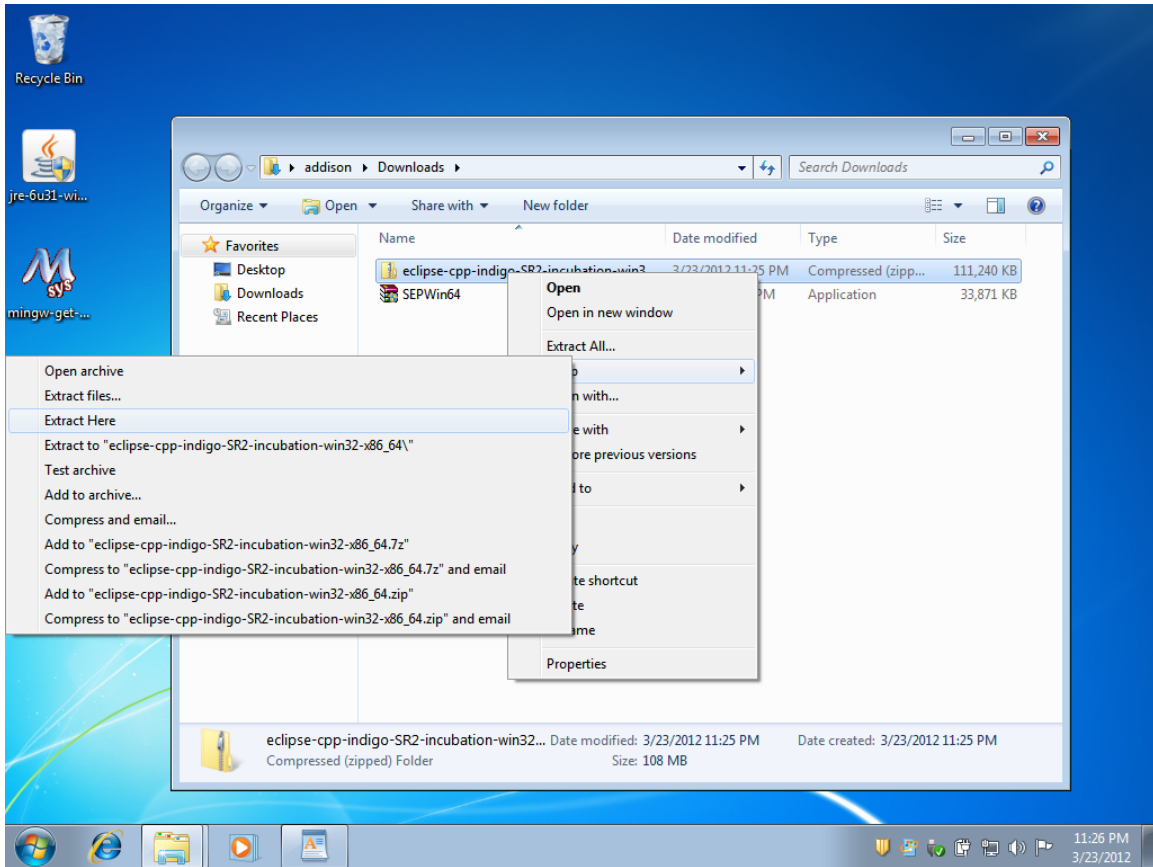
<http://www.7-zip.org/>

5. Finally, download and install eclipse from <http://www.eclipse.org/downloads/>

Look for the item with a title something like:

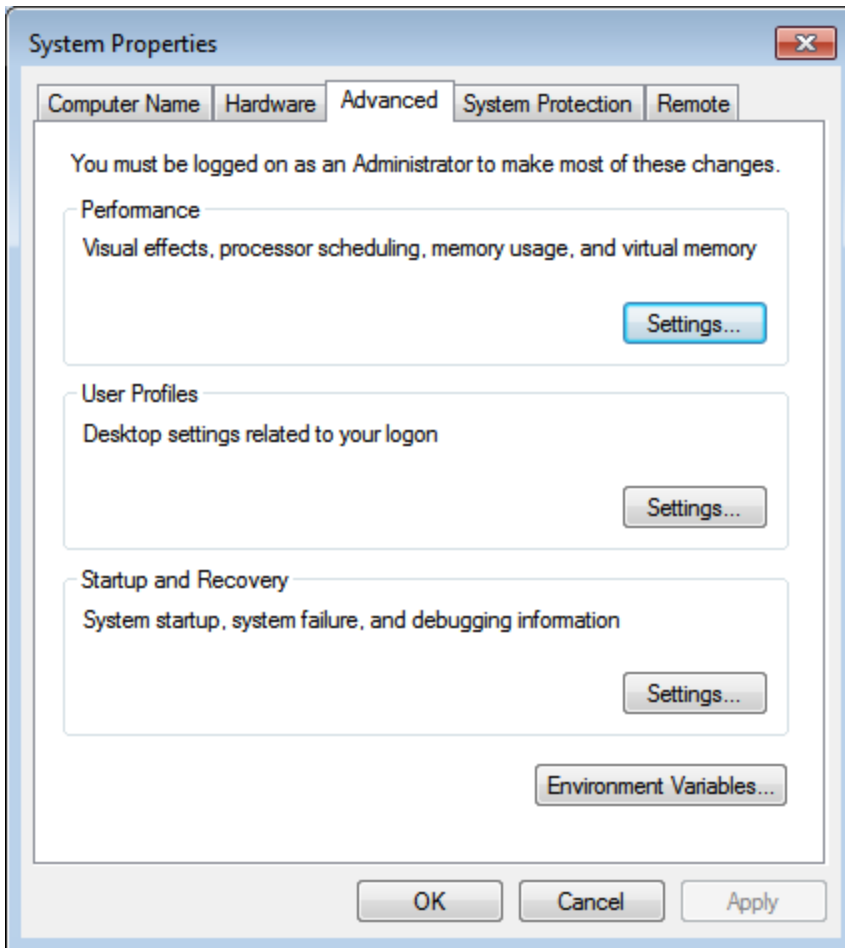
Eclipse IDE for C/C++ Developers (includes Incubating components) and download the appropriate file (32bit or 64bit). The 64 bit file should be named: eclipse-cpp-indigo-SR2-incubation-win32-x86\_64.

After the download finishes, right click the file and use 7-zip to extract all files



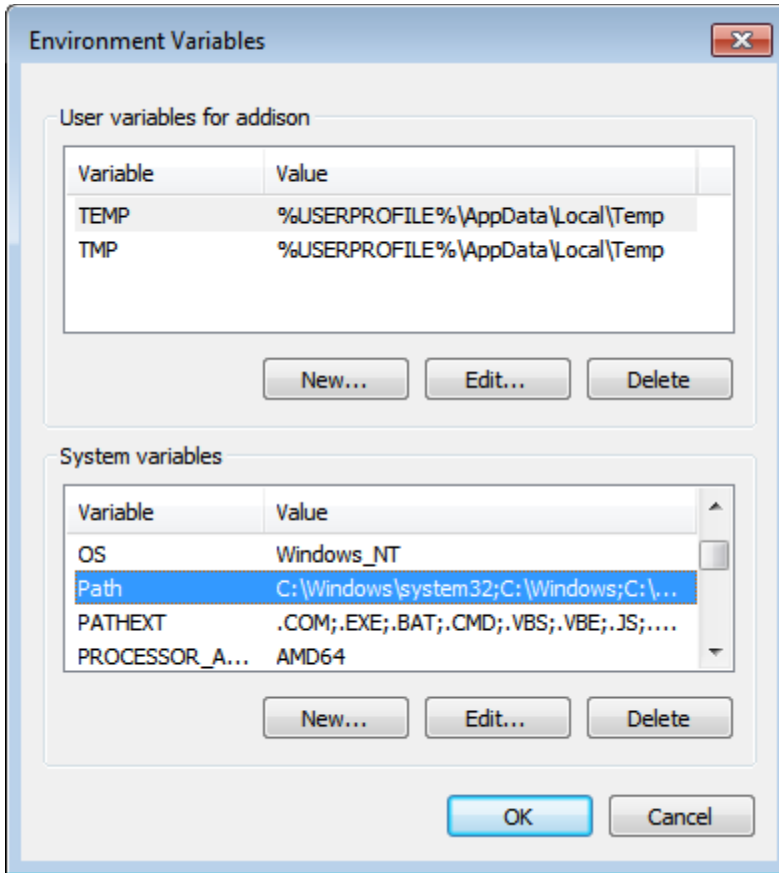
Eclipse doesn't really need to install. The executable file just runs from the eclipse folder. After extracting the files I like to move the entire eclipse folder to the root of the C:\drive and run the executable from that location (e.g. C:\eclipse\eclipse.exe).

6. Add C:\MinGW\bin to your Windows path:



In system properties click the **Environment Variables** button.

In the **Environment Variables** window, highlight the **Path** line in the System Variables box. Click **Edit...**



In the **Edit System Variable** dialog box, add the following:

```
c:\MinGW\bin;
```

to the start of the **Variable value**. Don't forget the semicolon and take special care NOT to change anything else.

