

## **Eclipse 3.3.2, CDT 4.0.3, MinGW 5.1.4, GDB 6.6, MSYS 1.0.10**

There are several problems reported on the web with the setup; however, if you install the CDT thru Eclipse and not by simply extracting the CDT to where Eclipse is installed, you should avoid the issues.

### **Required Files**

#### **MinGW 5.1.4**

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

#### **GDB 6.6**

<http://downloads.sourceforge.net/mingw/gdb-6.6.tar.bz2>

#### **MSYS 1.0.10**

<http://downloads.sourceforge.net/mingw/MSYS-1.0.10.exe>

#### **Eclipse 3.3.2**

<http://www.eclipse.org>

#### **CDT 4.0.3**

<http://www.eclipse.org/cdt/downloads.php>

## MinGW 5.1.4 Installation

Download **MinGW-5.1.4.exe** from:

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

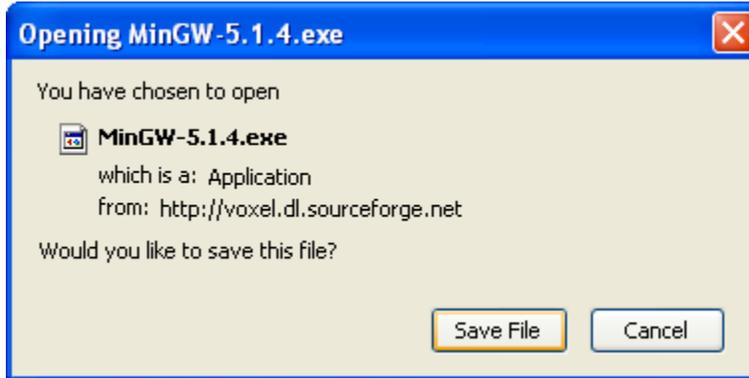
### Download MinGW - Minimalist GNU for Windows

**Project Admins:** earnie, infidel, keithmarshall  
**Operating System:** MinGWMSYS (MS Windows), All  
32-bit MS Windows (95/98/NT/2000/XP)  
**License:** BSD License, GNU General Public License  
(GPL), Public Domain  
**Category:** Build Tools, Code Generators, Compilers,  
Debuggers, Interpreters

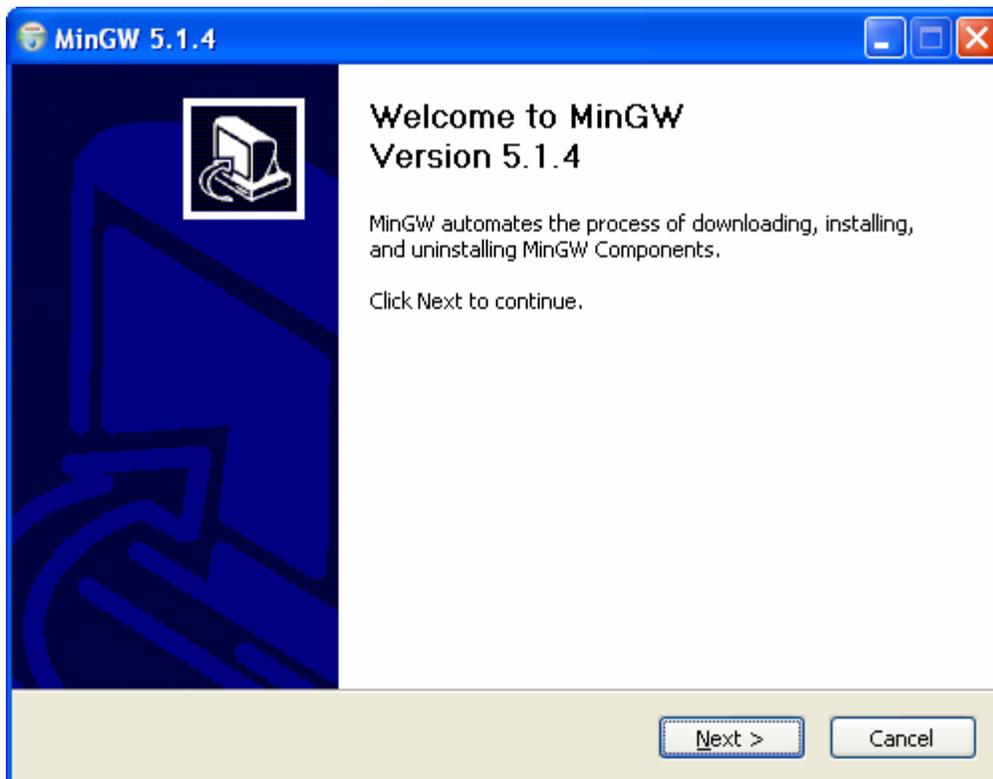
Package	Release	Date	Notes / Monitor	Downloads
<a href="#">Automated MinGW Installer</a>	MinGW 5.1.4	April 26, 2008	 - 	<a href="#">Download</a>

Package	Release (date)	Filename
<input type="checkbox"/> Automated MinGW Installer		
Latest	<input type="checkbox"/> <a href="#">MinGW 5.1.4</a>  (2008-04-26 21:51)	<a href="#">MinGW-5.1.4.exe</a> 

Save the file.



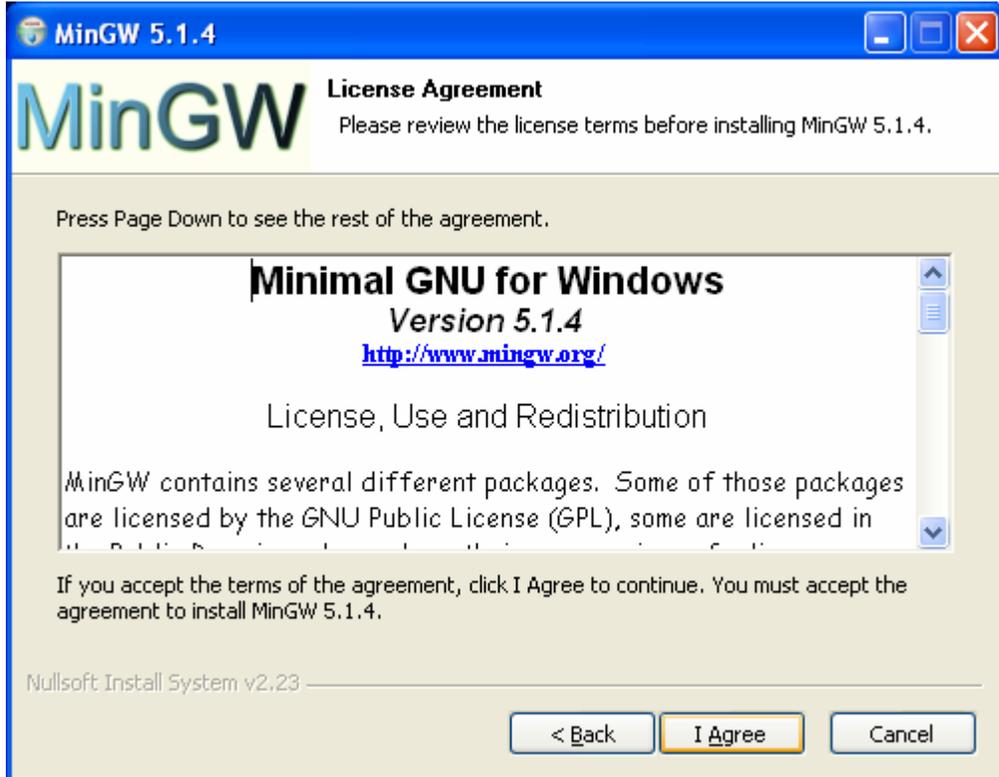
Click **Next**.



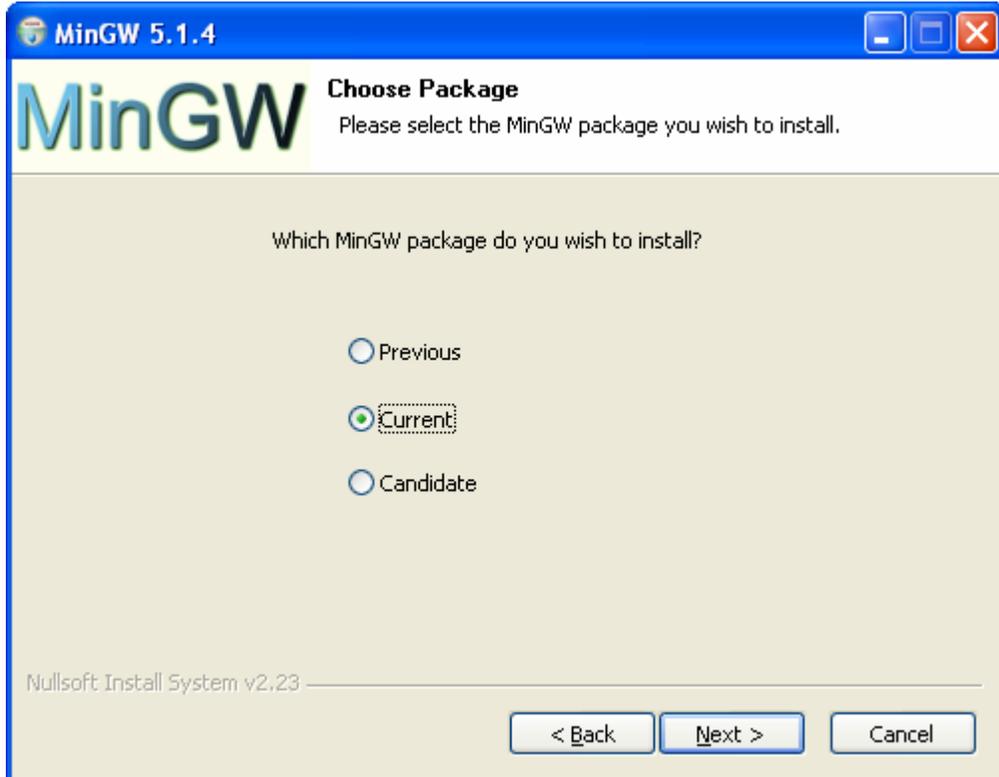
Select **Download and install**.



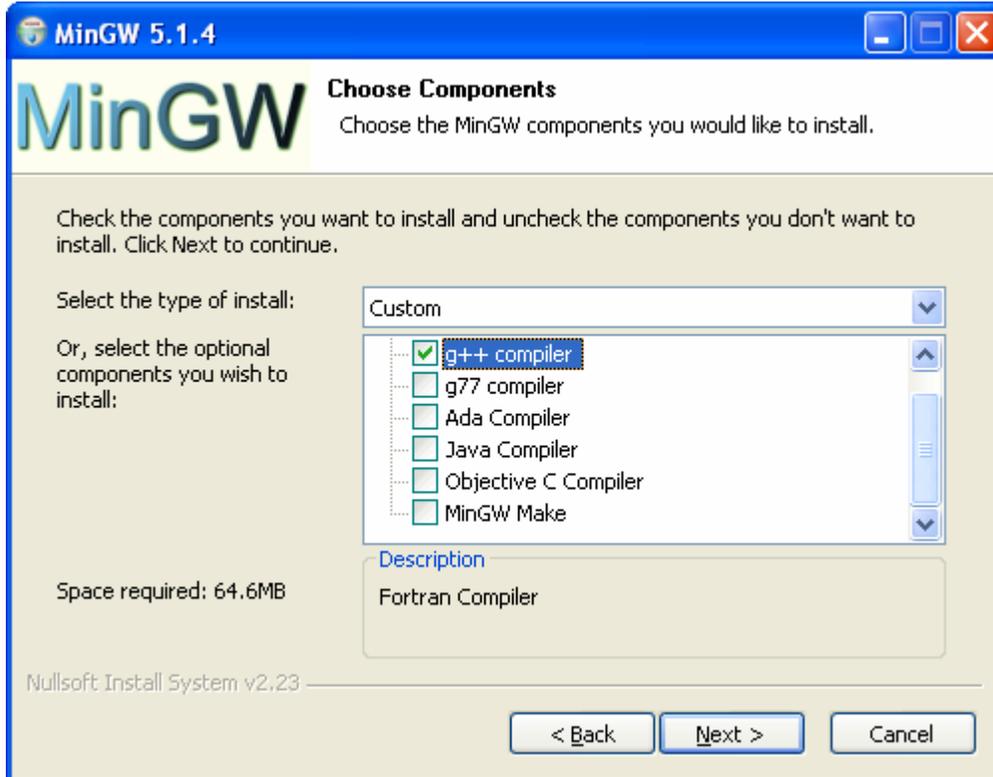
Accept the license.



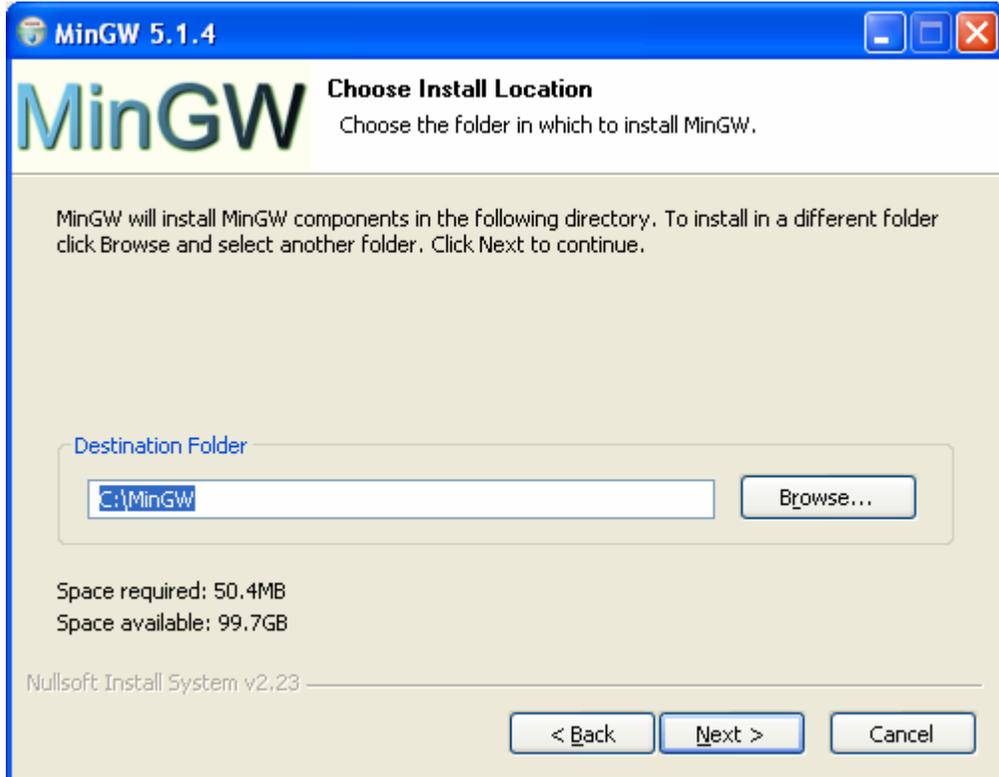
Select the **Current** release.



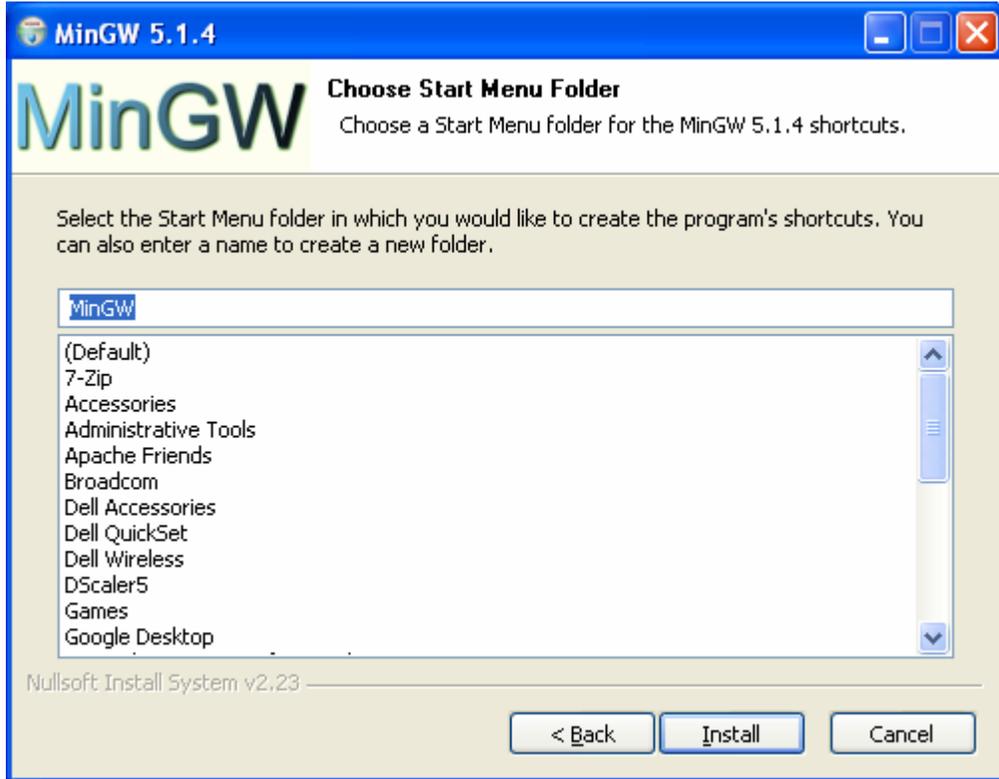
Select the **g++ compiler**. Do *not* select the **MinGW Make**.



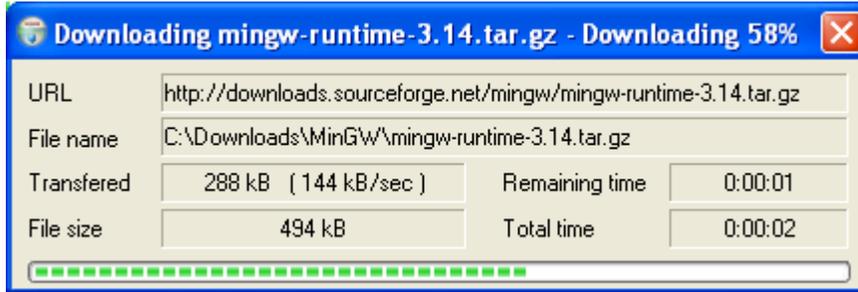
Select the installation directory.



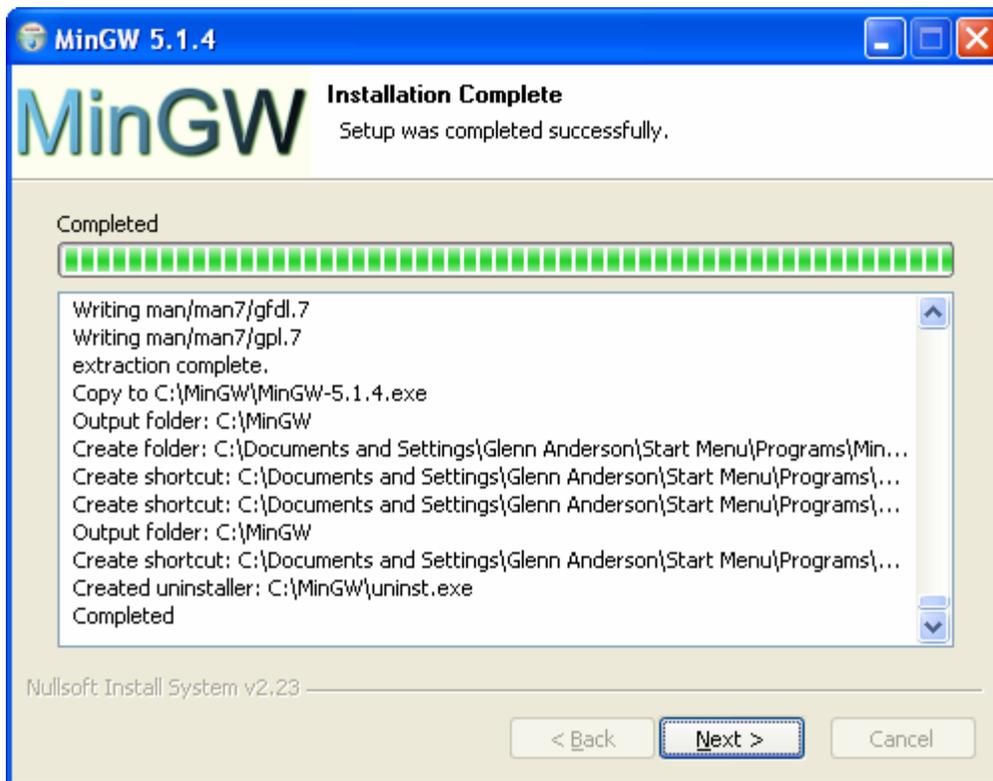
Select the Menu Folder.



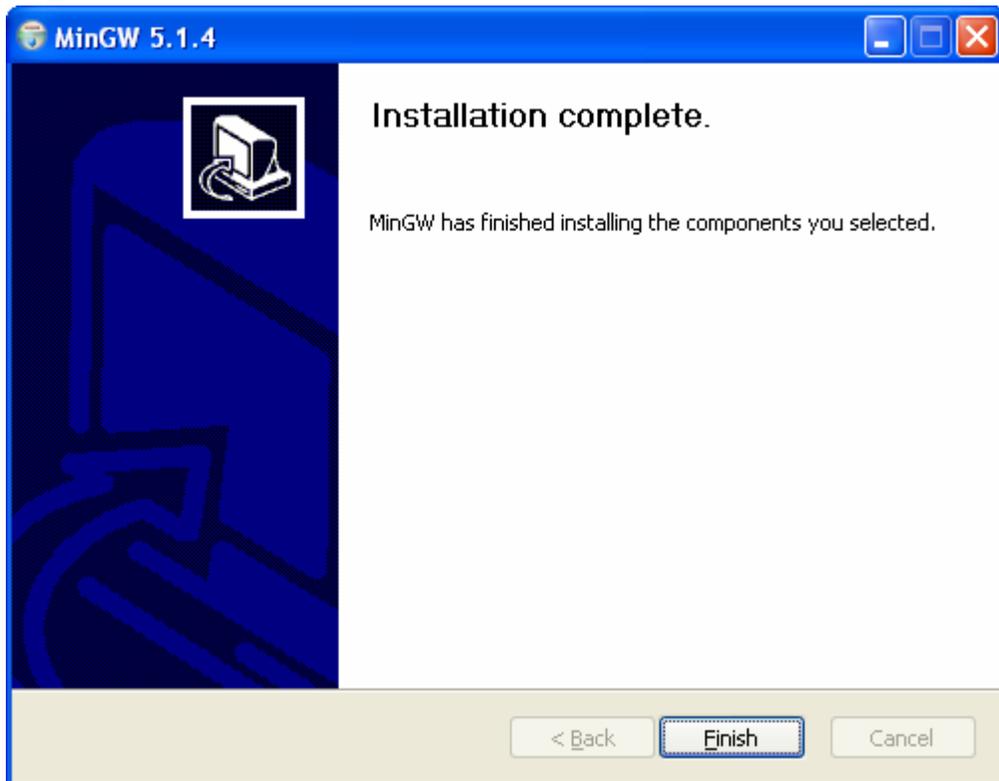
You should see the progress.



Click Next.



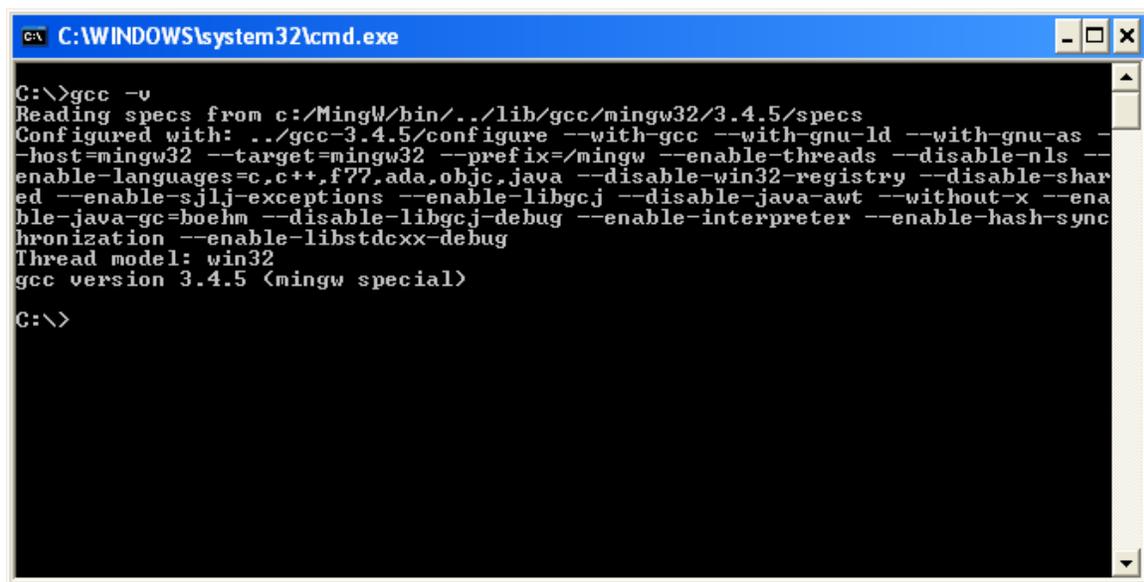
Click **Finish**.



Update the **PATH** environment variable.



Confirm the installation.

The image shows a Windows command prompt window with the title "C:\WINDOWS\system32\cmd.exe". The prompt is at "C:\>". The user has entered the command "gcc -v". The output of the command is displayed as follows:

```
C:\>gcc -v
Reading specs from c:/MingW/bin/./lib/gcc/mingw32/3.4.5/specs
Configured with: ../gcc-3.4.5/configure --with-gcc --with-gnu-ld --with-gnu-as --
-host=mingw32 --target=mingw32 --prefix=/mingw --enable-threads --disable-nls --
enable-languages=c,c++,f77,ada,objc,java --disable-win32-registry --disable-shar
ed --enable-sjlj-exceptions --enable-libgcj --disable-java-awt --without-x --ena
ble-java-gc= Boehm --disable-libgcj-debug --enable-interpreter --enable-hash-sync
hronization --enable-libstdcxx-debug
Thread model: win32
gcc version 3.4.5 (mingw special)
C:\>
```

## GDB 6.6 Installation

Save the file from:

<http://downloads.sourceforge.net/mingw/gdb-6.6.tar.bz2>



Extract the file to where you installed MinGW.

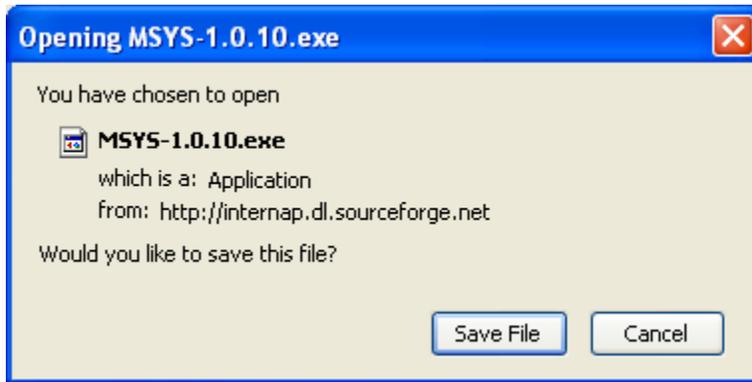
You may need to use a utility such as 7 zip to install to Windows.

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

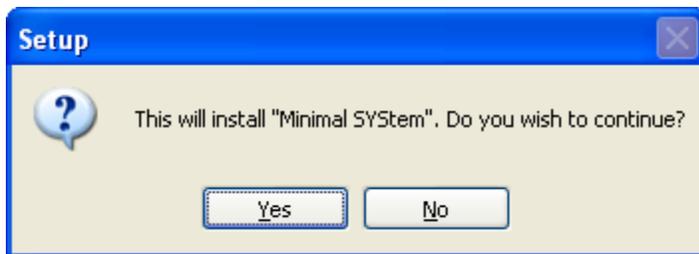
## MSYS 1.0.10 Installation

Download from:

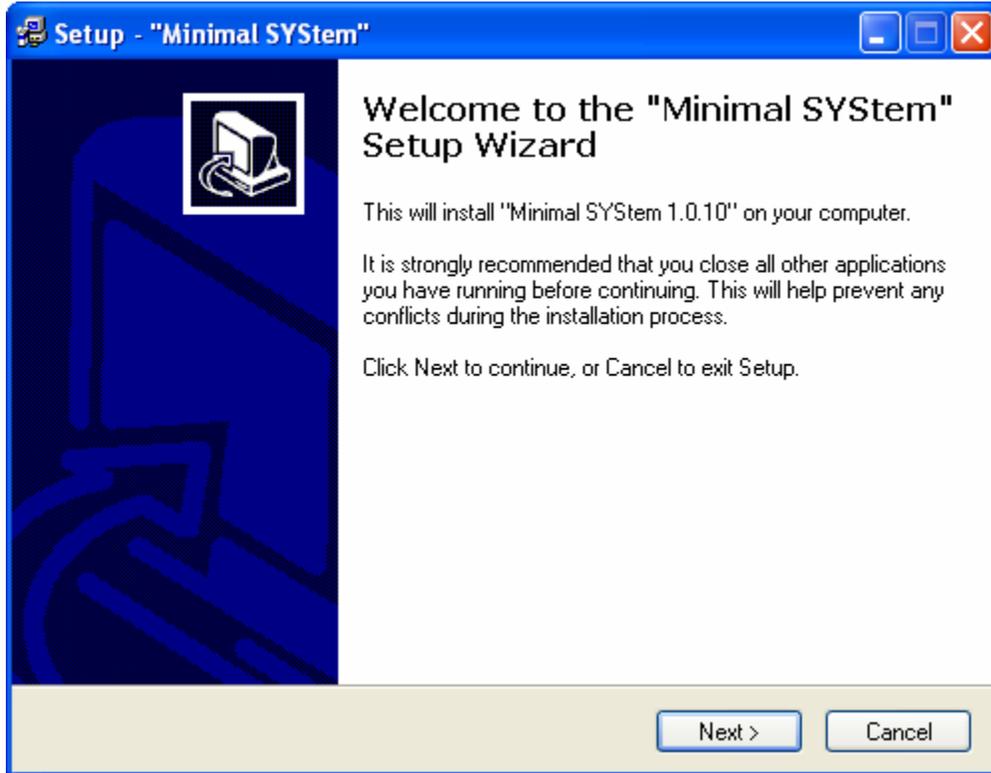
<http://downloads.sourceforge.net/mingw/MSYS-1.0.10.exe>



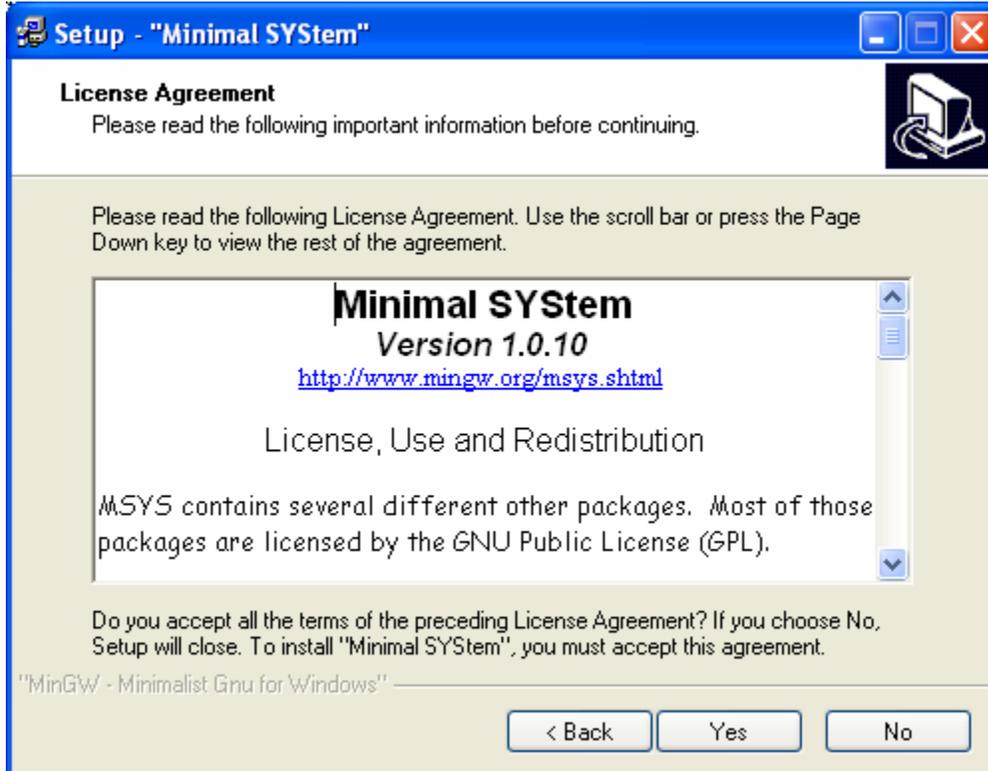
Run the executable.



Click **Next**.



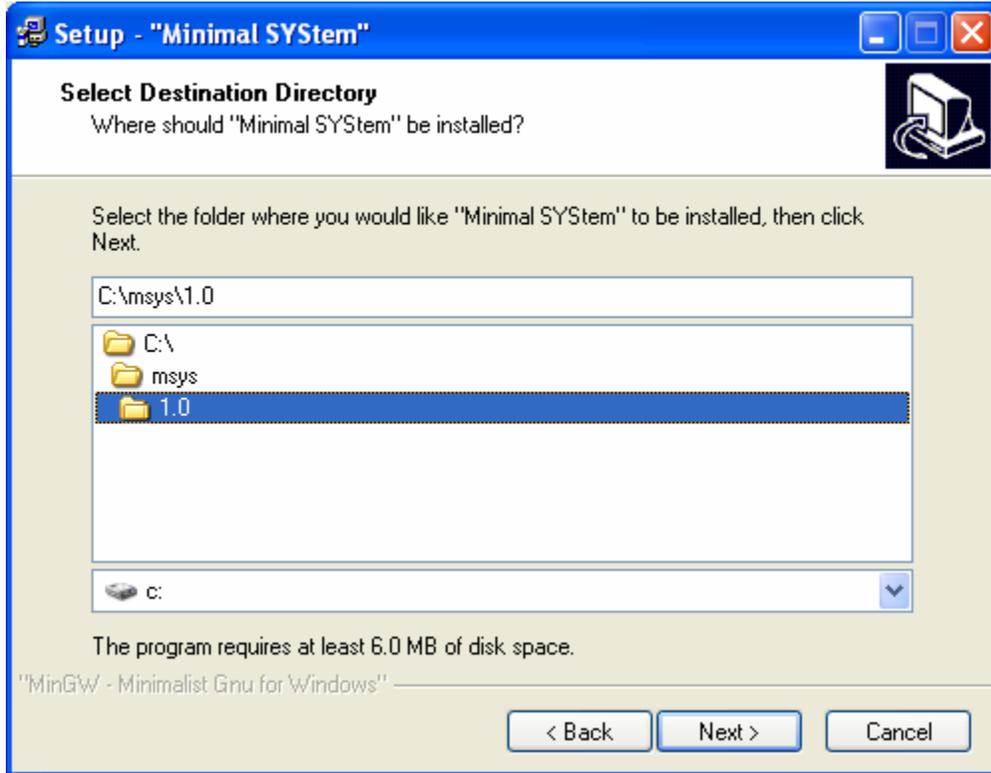
Click **Yes**.



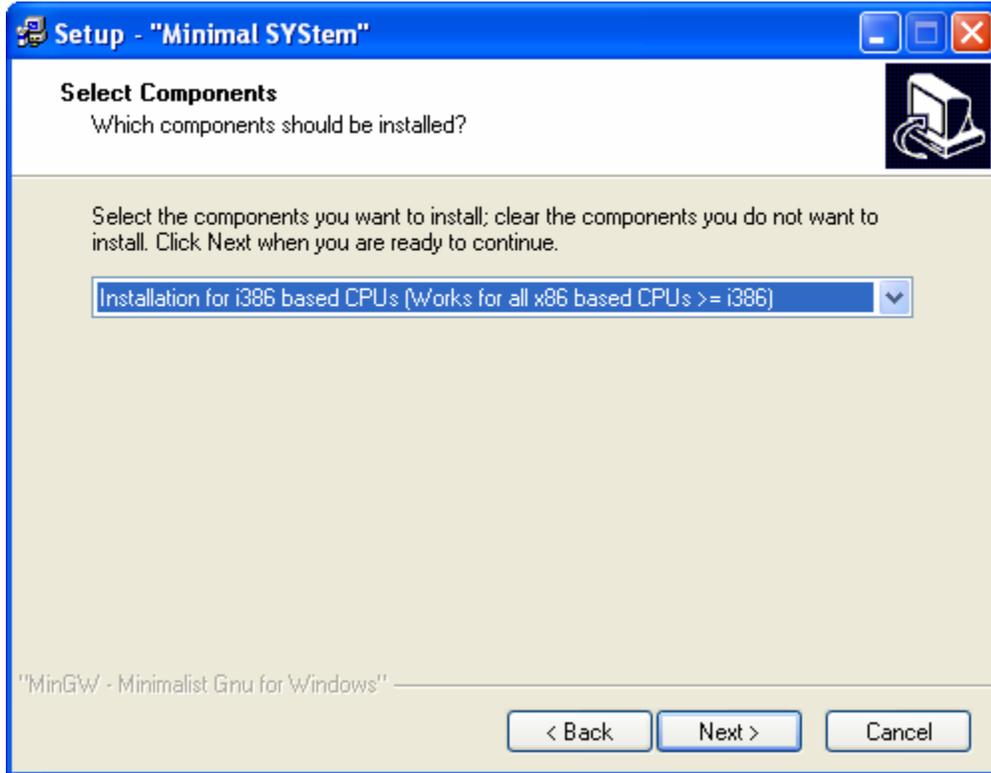
Click Next.



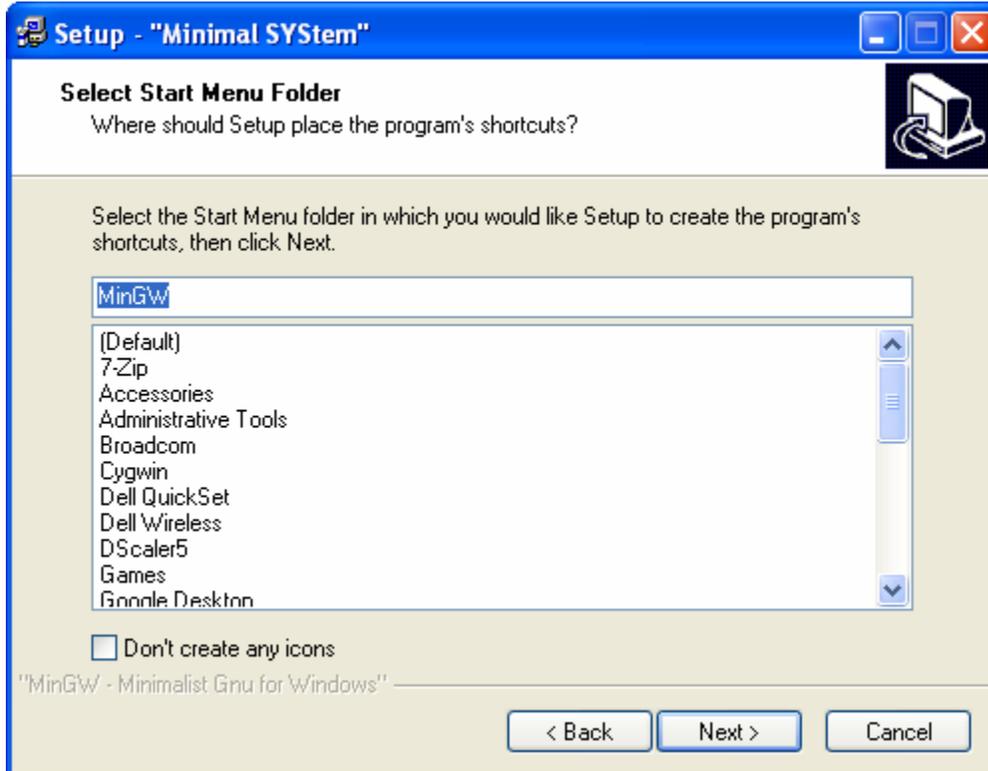
Select the destination directory.



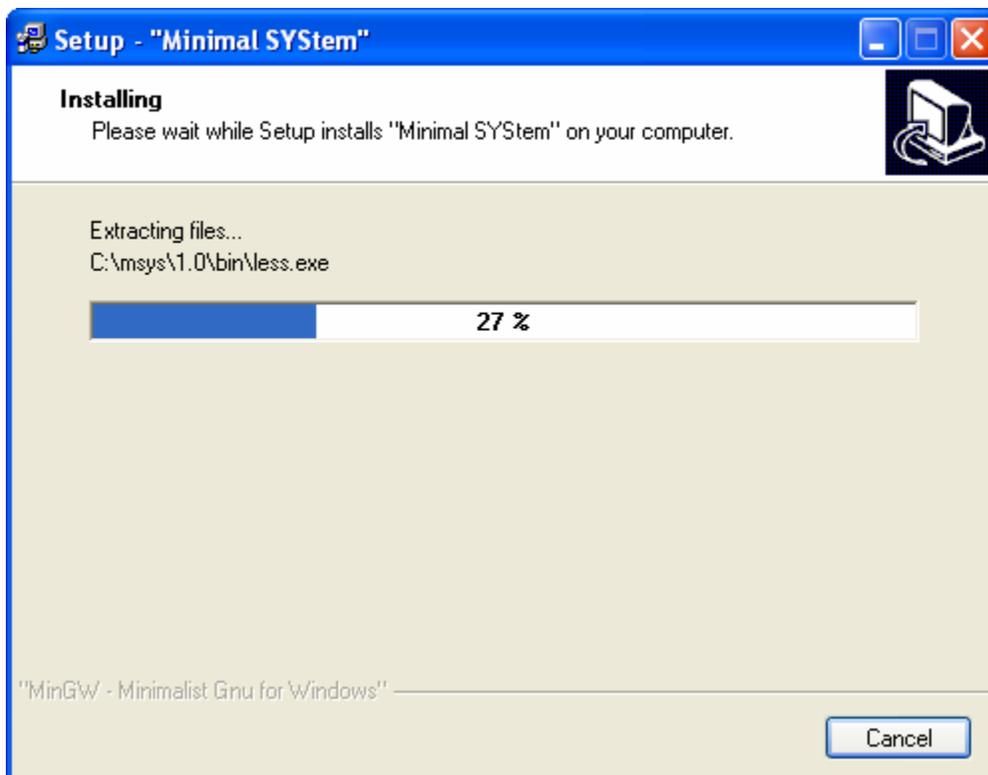
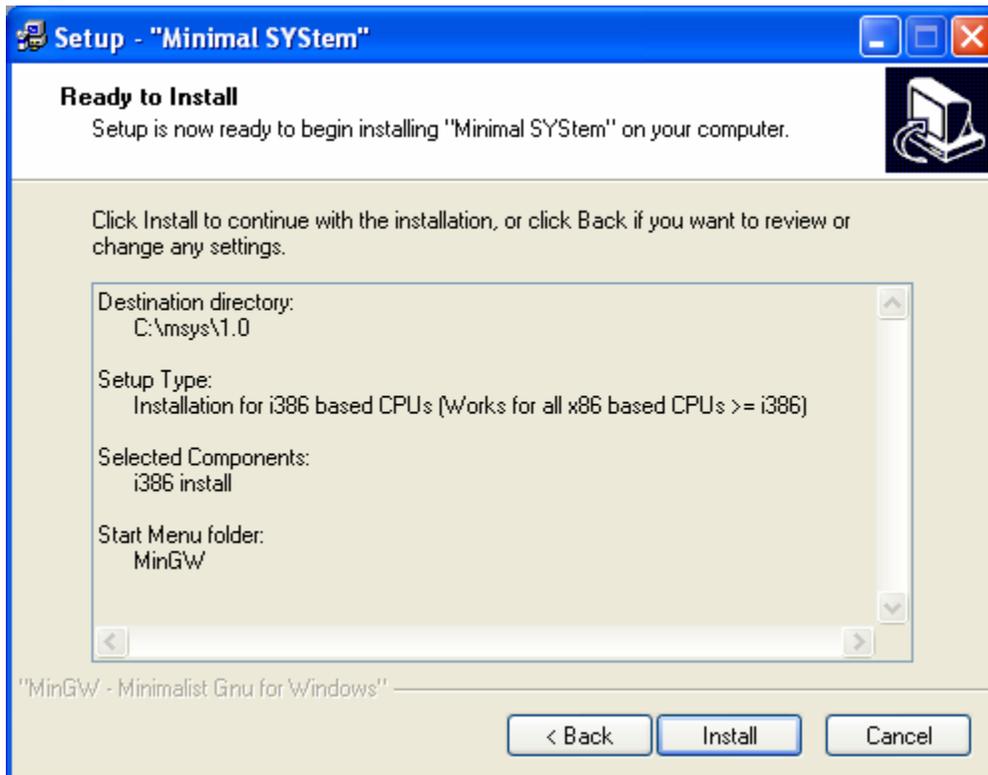
Click **Next**.



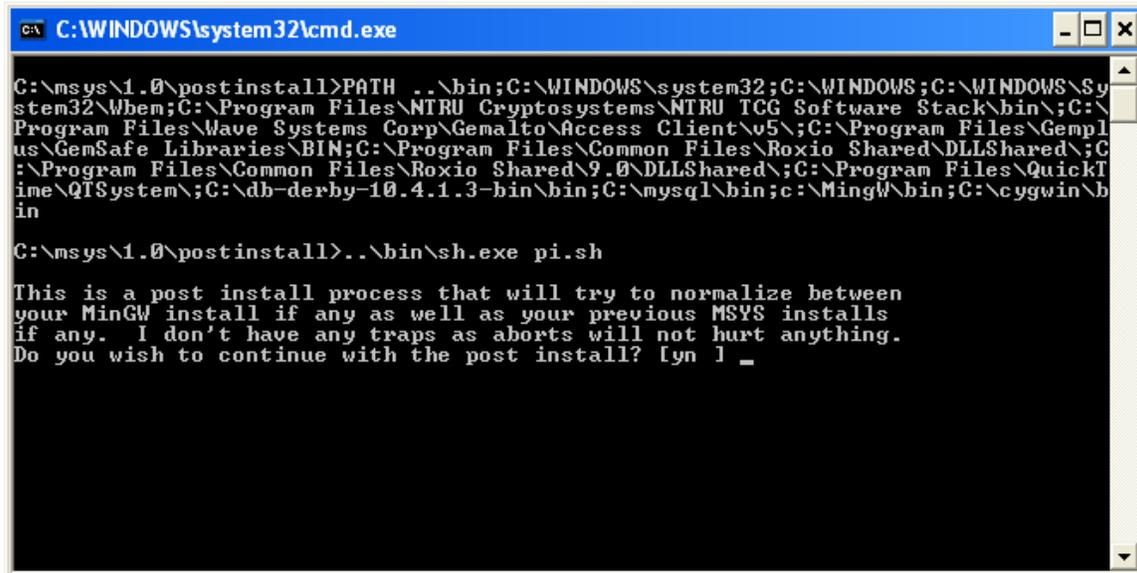
Select the Start Menu Folder.



Install.



Respond y

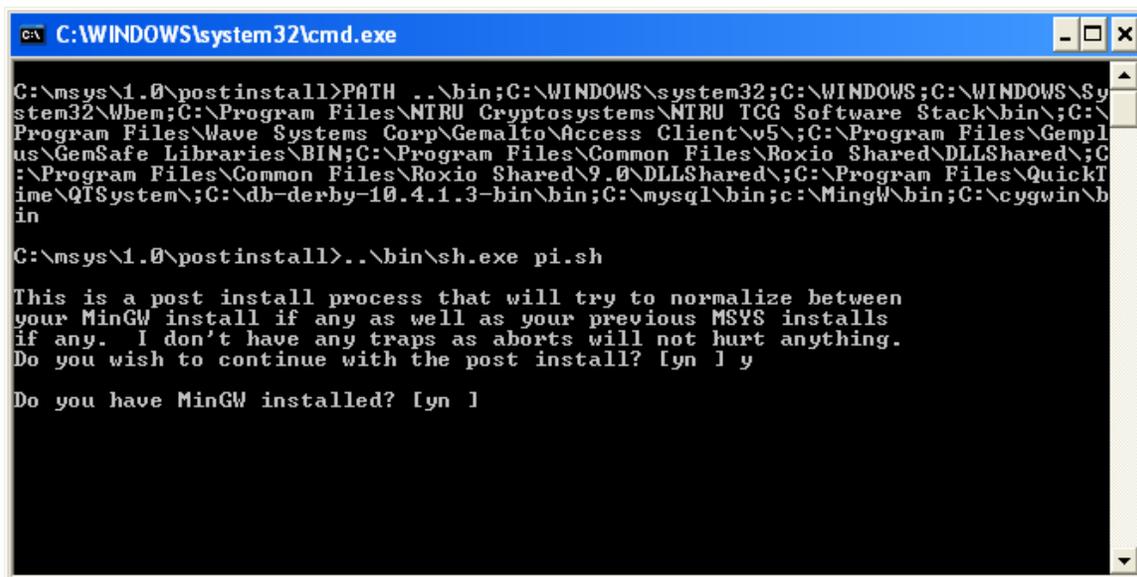


```
C:\WINDOWS\system32\cmd.exe
C:\msys\1.0\postinstall>PATH ..\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\Sy
stem32\Wbem;C:\Program Files\NTRU Cryptosystems\NTRU TCG Software Stack\bin\;C:\
Program Files\Wave Systems Corp\Gemalto\Access Client\v5\;C:\Program Files\Gempl
us\GemSafe Libraries\BIN;C:\Program Files\Common Files\Roxio Shared\DLLShared\;C
:\Program Files\Common Files\Roxio Shared\9.0\DLLShared\;C:\Program Files\QuickT
ime\QTSystem\;C:\db-derby-10.4.1.3-bin\bin;C:\mysql\bin;c:\MingW\bin;C:\cygwin\bin

C:\msys\1.0\postinstall>..\bin\sh.exe pi.sh

This is a post install process that will try to normalize between
your MinGW install if any as well as your previous MSYS installs
if any. I don't have any traps as aborts will not hurt anything.
Do you wish to continue with the post install? [yn] _
```

Respond y



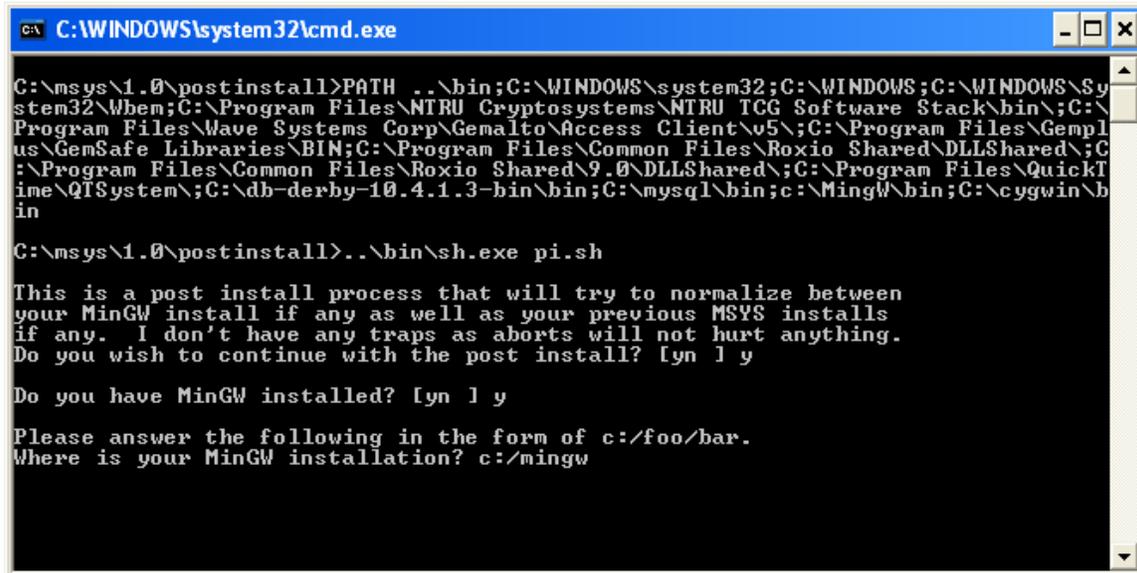
```
C:\WINDOWS\system32\cmd.exe
C:\msys\1.0\postinstall>PATH ..\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\Sy
stem32\Wbem;C:\Program Files\NTRU Cryptosystems\NTRU TCG Software Stack\bin\;C:\
Program Files\Wave Systems Corp\Gemalto\Access Client\v5\;C:\Program Files\Gempl
us\GemSafe Libraries\BIN;C:\Program Files\Common Files\Roxio Shared\DLLShared\;C
:\Program Files\Common Files\Roxio Shared\9.0\DLLShared\;C:\Program Files\QuickT
ime\QTSystem\;C:\db-derby-10.4.1.3-bin\bin;C:\mysql\bin;c:\MingW\bin;C:\cygwin\bin

C:\msys\1.0\postinstall>..\bin\sh.exe pi.sh

This is a post install process that will try to normalize between
your MinGW install if any as well as your previous MSYS installs
if any. I don't have any traps as aborts will not hurt anything.
Do you wish to continue with the post install? [yn] y

Do you have MinGW installed? [yn] '
```

Enter the installation directory of **mingw**.



```
C:\WINDOWS\system32\cmd.exe
C:\msys\1.0\postinstall>PATH ..\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\WINDOWS\Sy
stem32\Wbem;C:\Program Files\NTRU Cryptosystems\NTRU TCG Software Stack\bin\;C:\
Program Files\Wave Systems Corp\Gemalto\Access Client\v5\;C:\Program Files\Gempl
us\GemSafe Libraries\BIN;C:\Program Files\Common Files\Roxio Shared\DLLShared\;C
:\Program Files\Common Files\Roxio Shared\9.0\DLLShared\;C:\Program Files\QuickT
ime\QTSystem\;C:\db-derby-10.4.1.3-bin\bin;C:\mysql\bin;c:\MingW\bin;c:\cygwin\bin

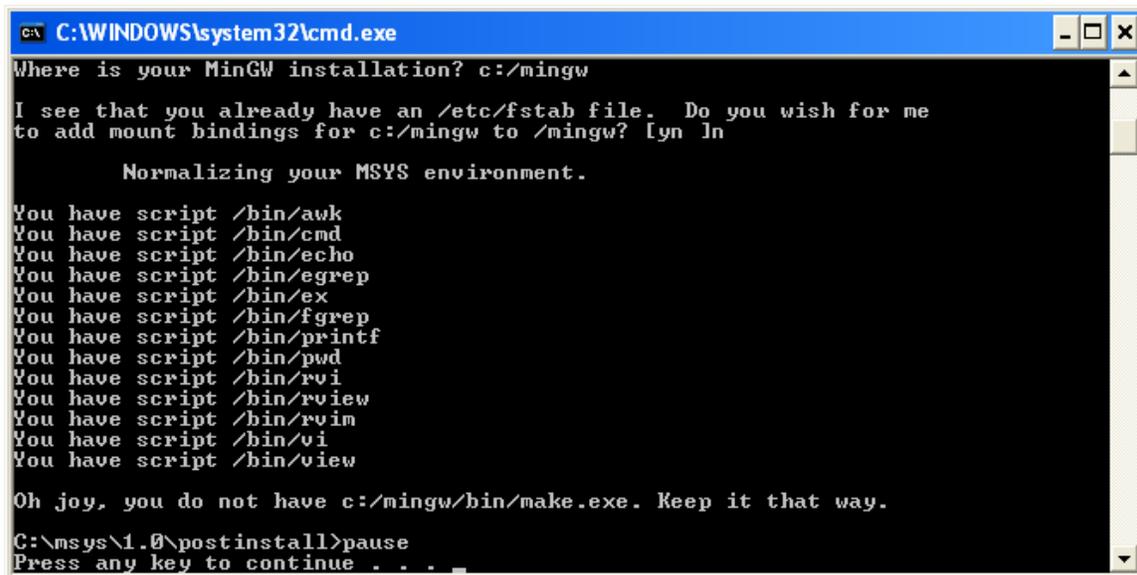
C:\msys\1.0\postinstall>..\bin\sh.exe pi.sh

This is a post install process that will try to normalize between
your MinGW install if any as well as your previous MSYS installs
if any. I don't have any traps as aborts will not hurt anything.
Do you wish to continue with the post install? [yn] y

Do you have MinGW installed? [yn] y

Please answer the following in the form of c:/foo/bar.
Where is your MinGW installation? c:/mingw
```

Finish the installation.



```
C:\WINDOWS\system32\cmd.exe
Where is your MinGW installation? c:/mingw

I see that you already have an /etc/fstab file. Do you wish for me
to add mount bindings for c:/mingw to /mingw? [yn] n

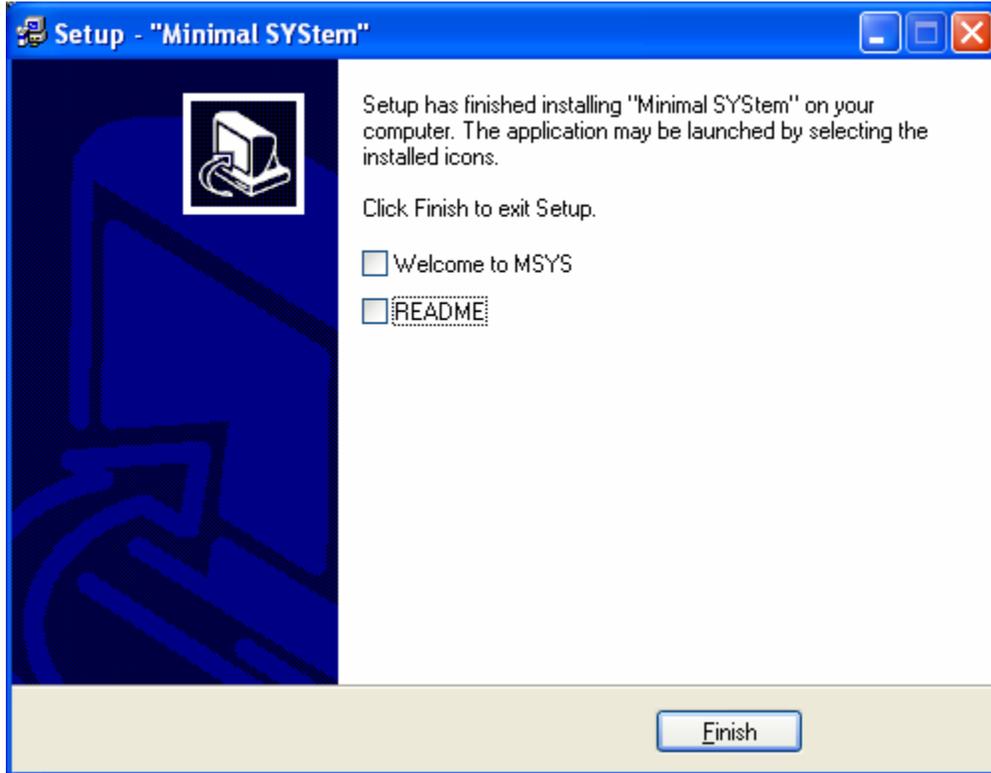
    Normalizing your MSYS environment.

You have script /bin/awk
You have script /bin/cmd
You have script /bin/echo
You have script /bin/egrep
You have script /bin/ex
You have script /bin/fgrep
You have script /bin/printf
You have script /bin/pwd
You have script /bin/rvi
You have script /bin/rview
You have script /bin/rvim
You have script /bin/vi
You have script /bin/view

Oh joy, you do not have c:/mingw/bin/make.exe. Keep it that way.

C:\msys\1.0\postinstall>pause
Press any key to continue . . .
```

Click **Finish**.



### **Eclipse 3.3.2 Installation**

Download and extract to your root drive from:

<http://www.eclipse.org>

### **CDT 4.0.3 Installation**

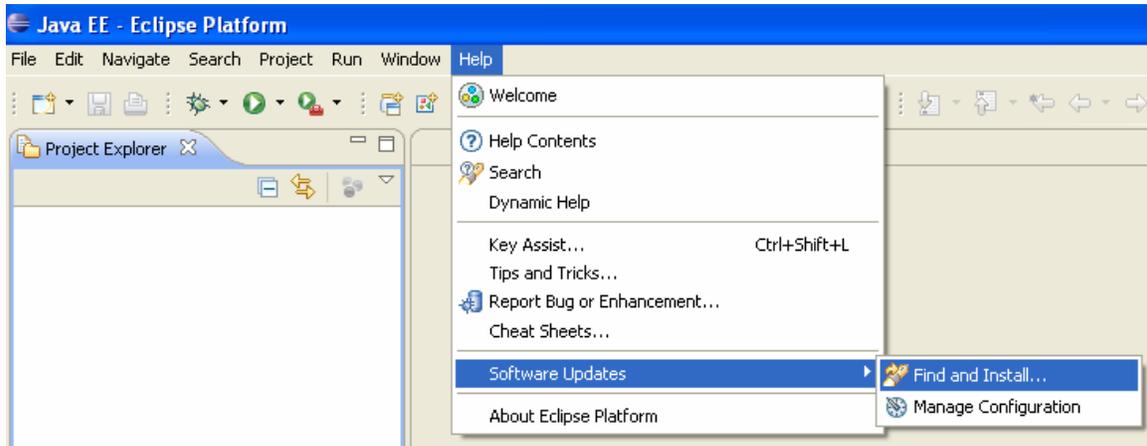
Download from:

<http://www.eclipse.org/cdt/downloads.php>

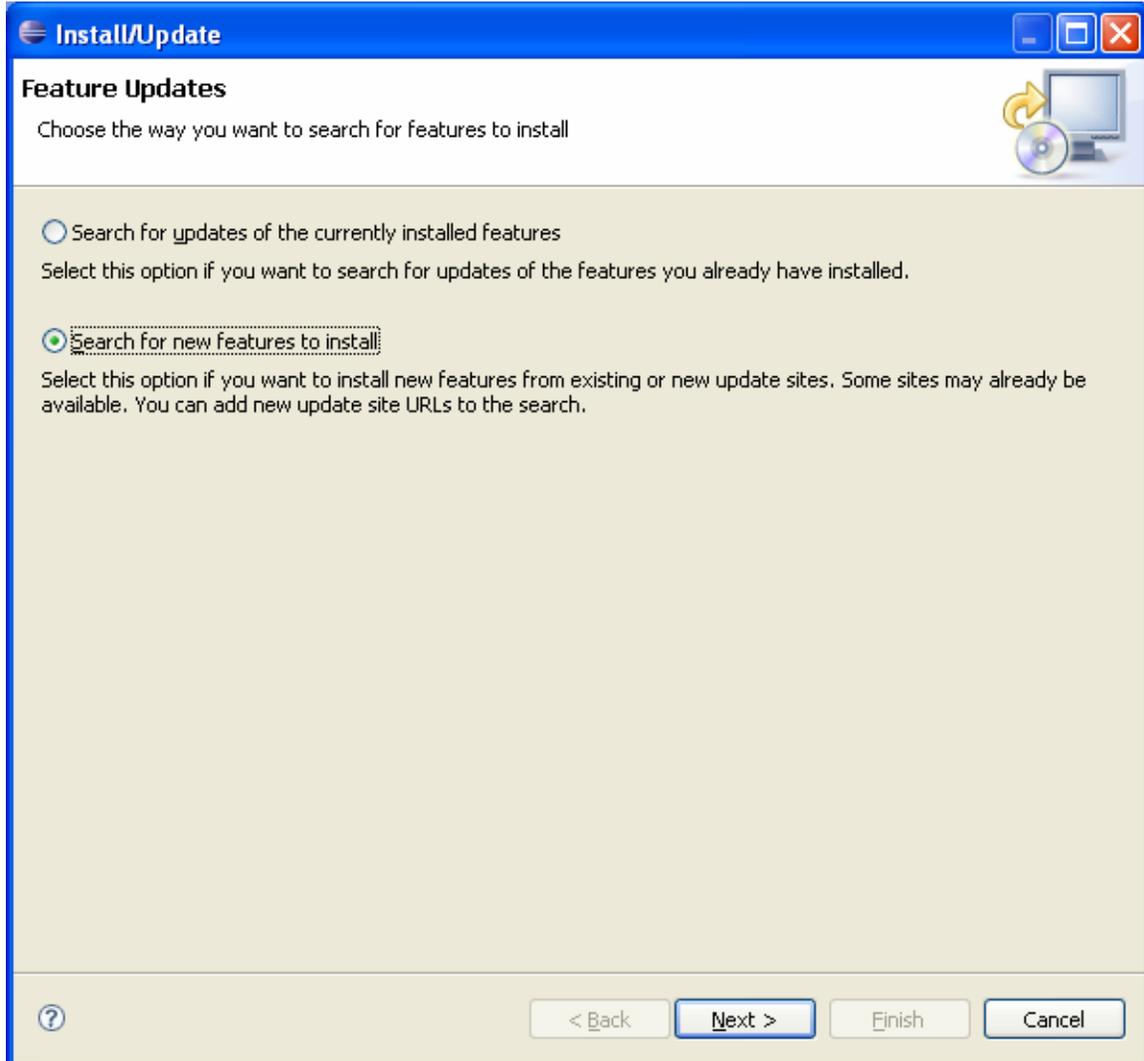
Unzip the CDT file to a **temporary** folder.

Start eclipse.

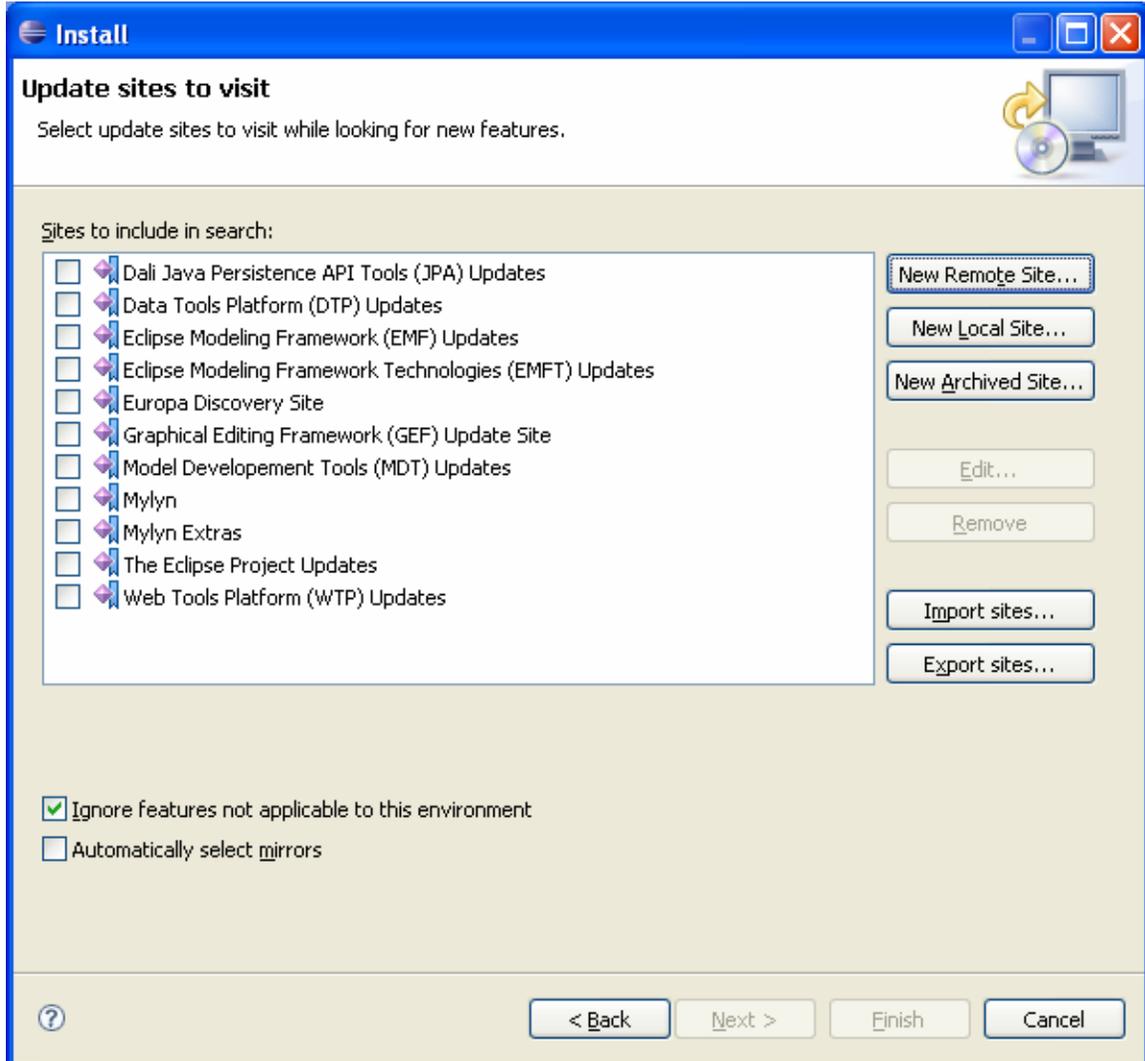
Select **Software Update | Find and Install...**



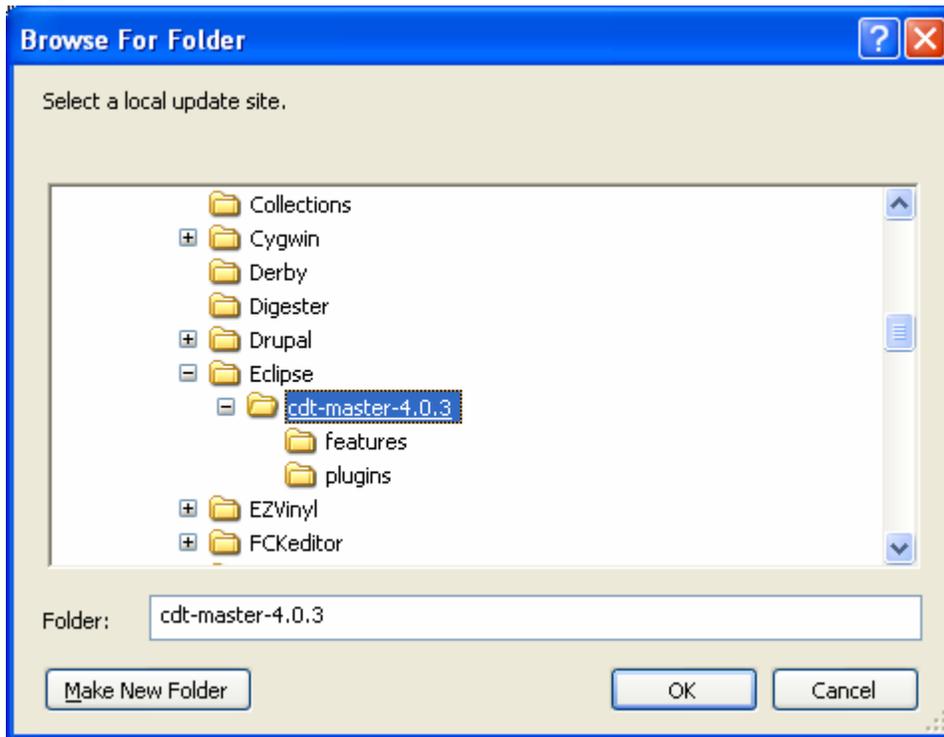
## Select Search for new features to install



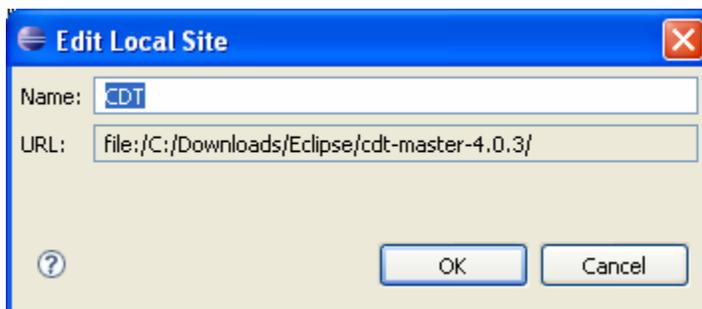
Click **New Local Site...**



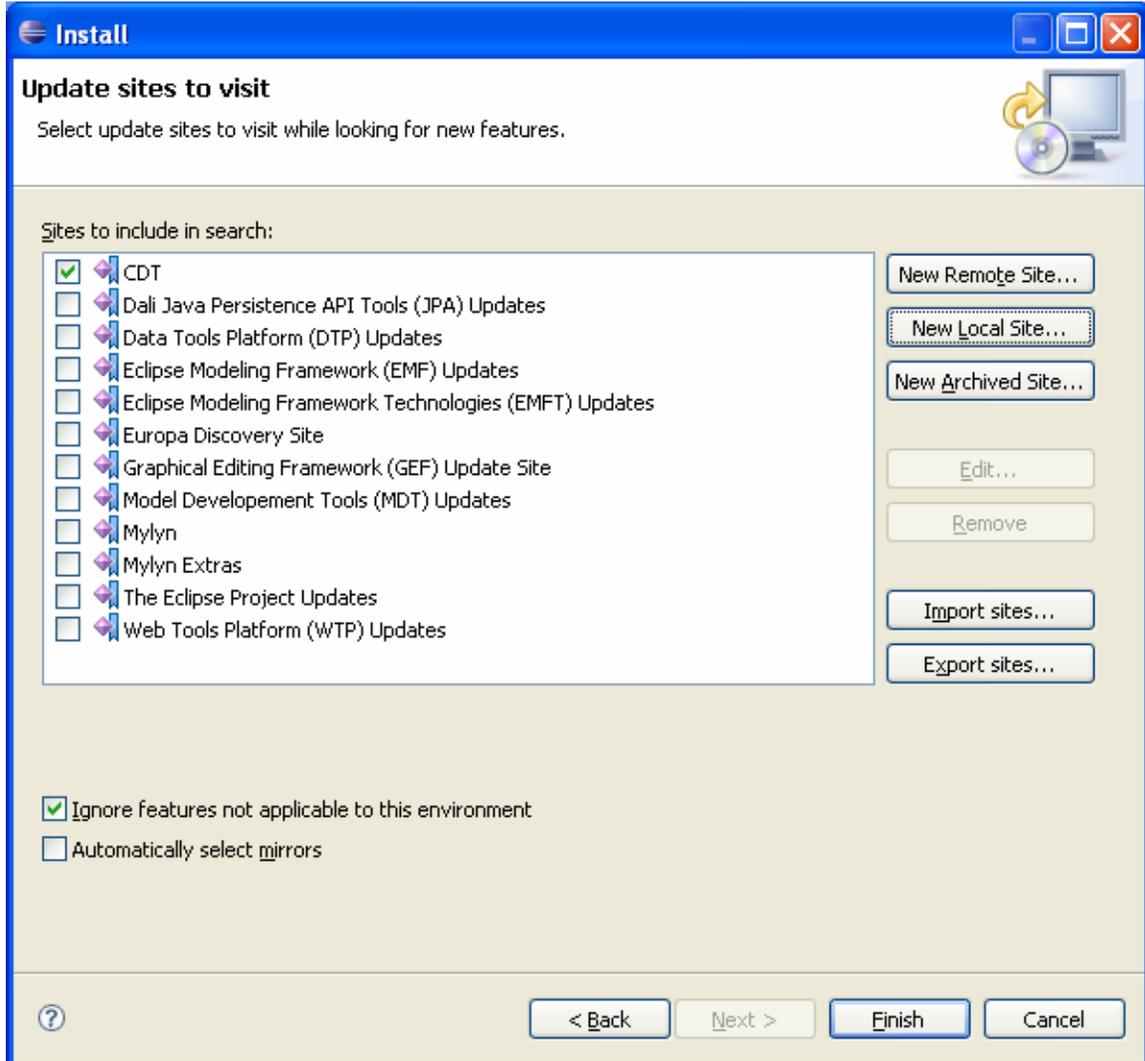
Browse to select the temporary folder where you unzipped the CDT.



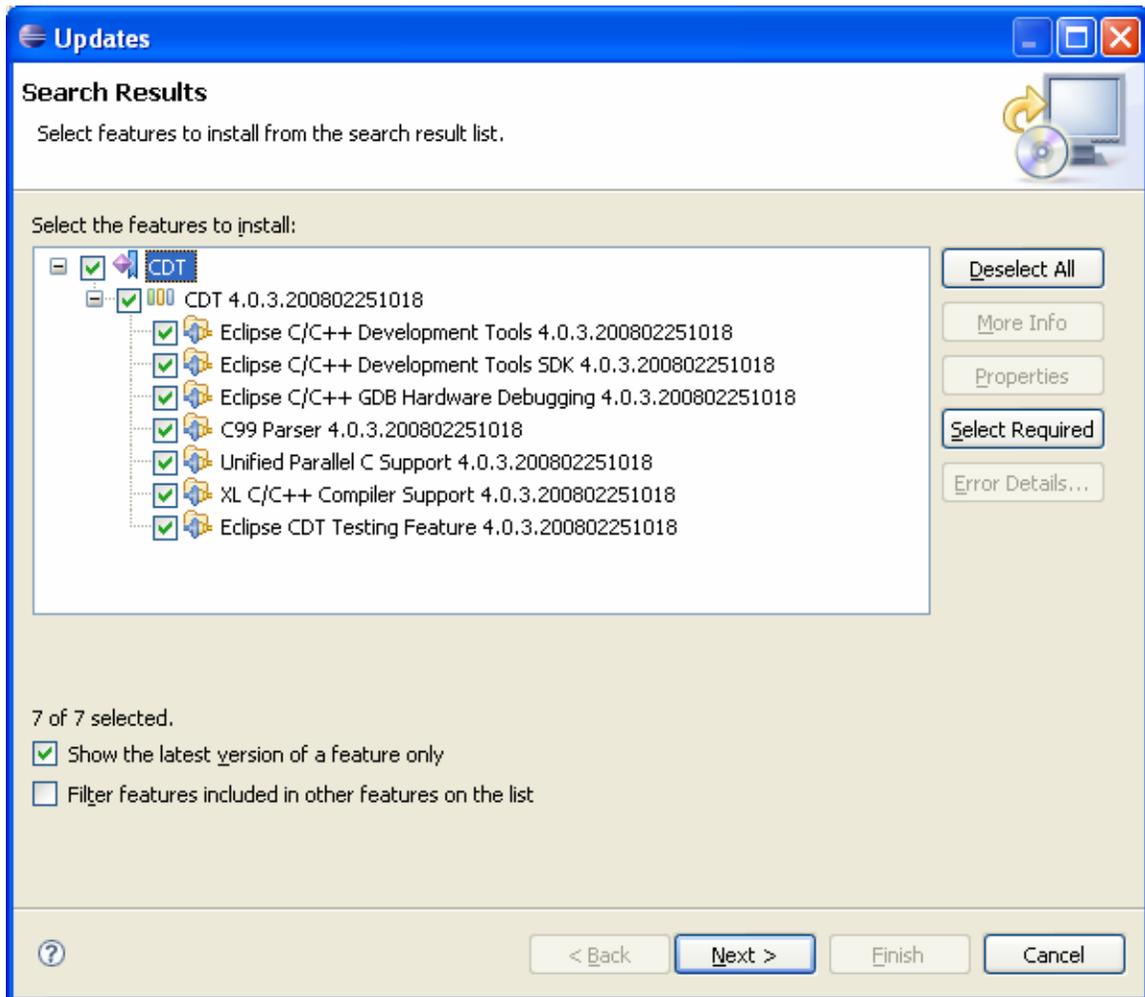
Name the Local Site.



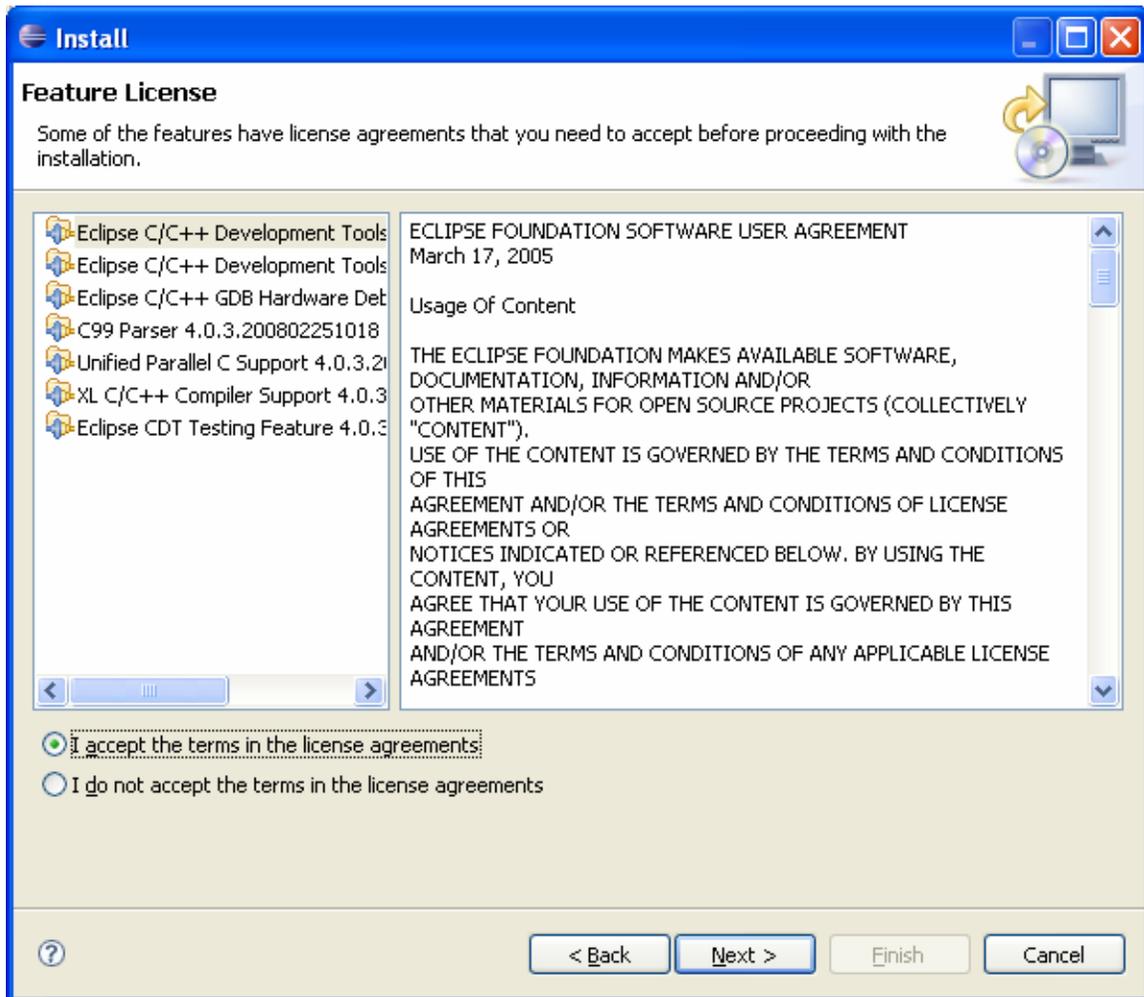
Select the Local Site.



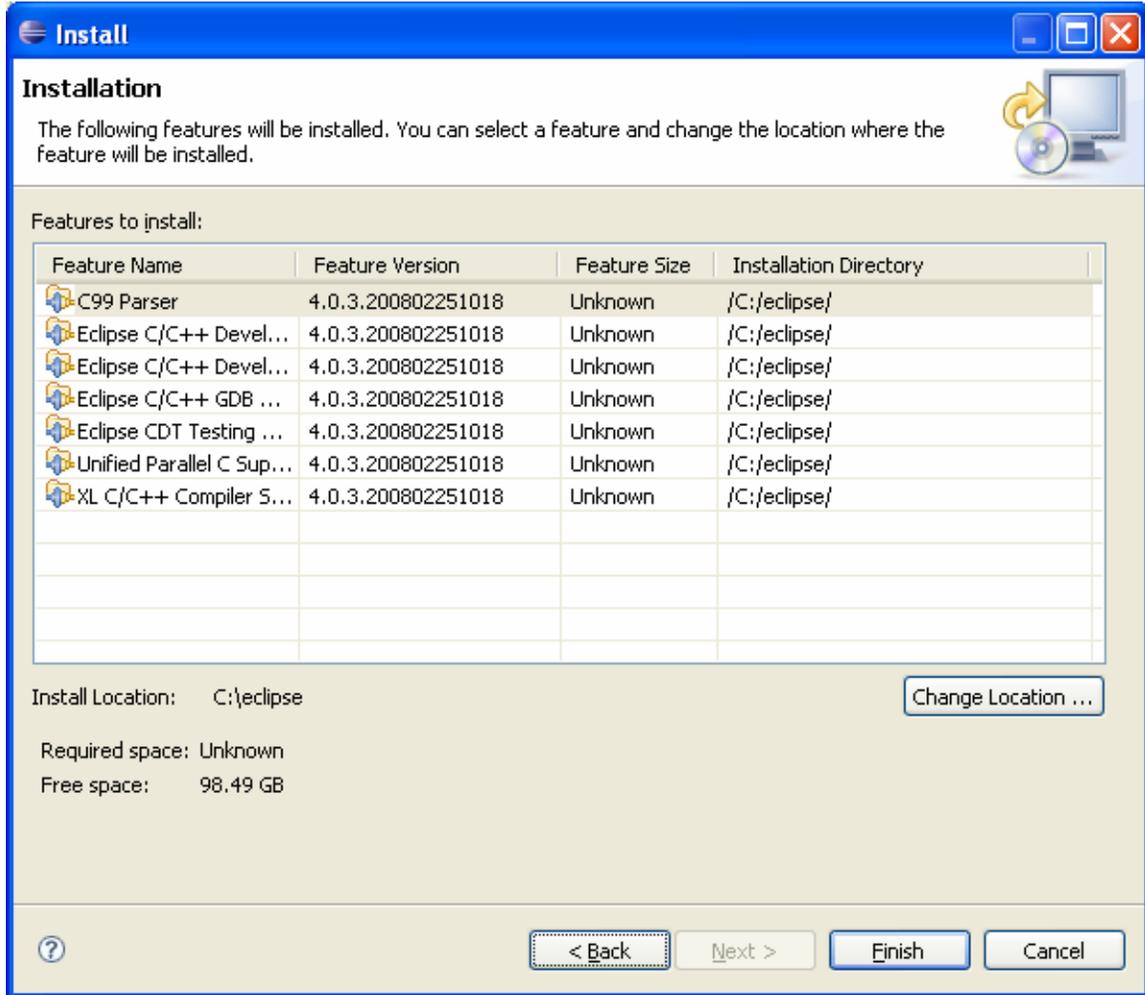
Select All.



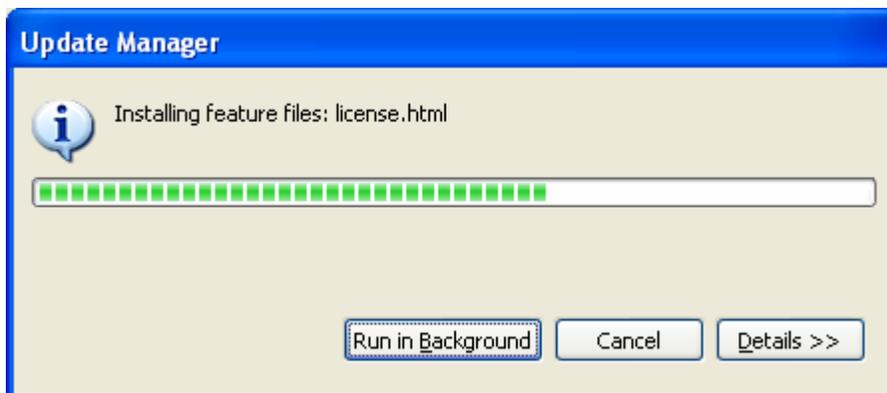
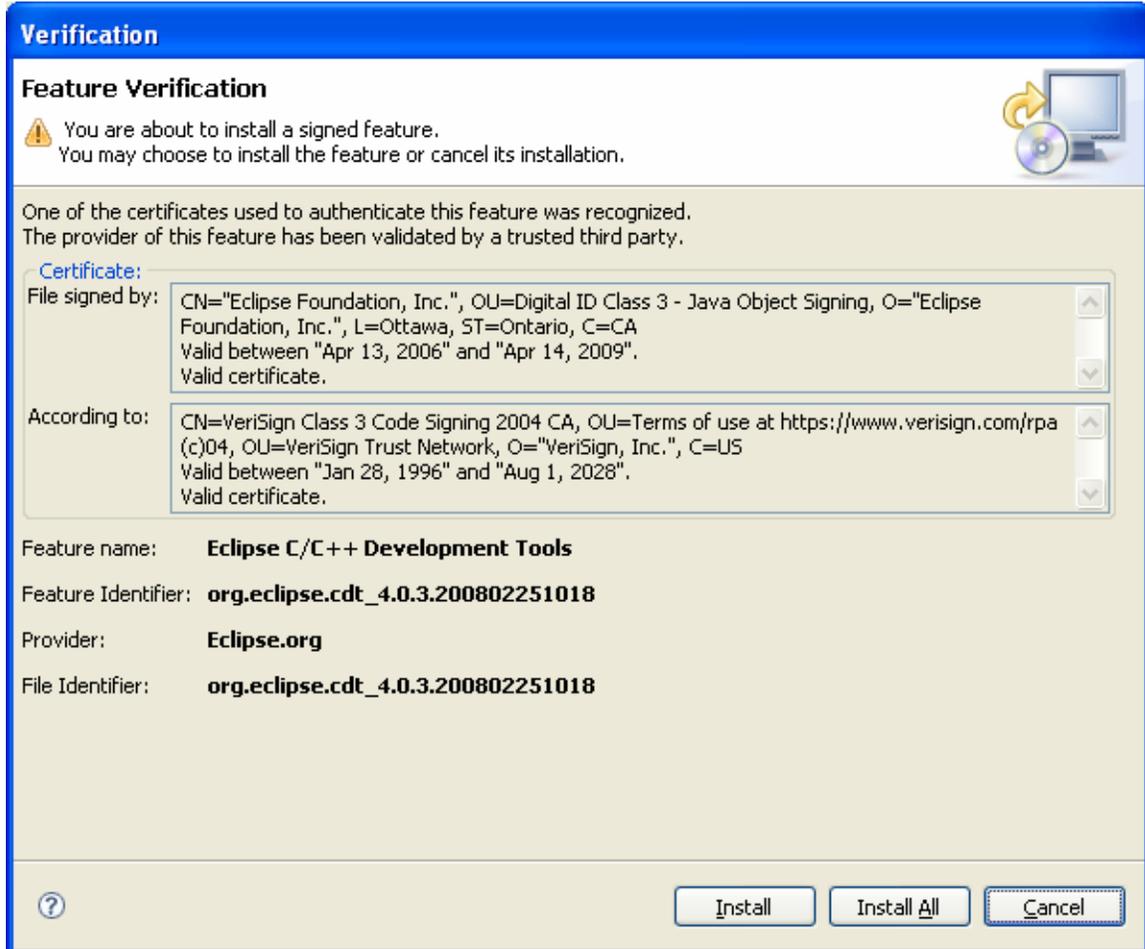
Accept the terms.



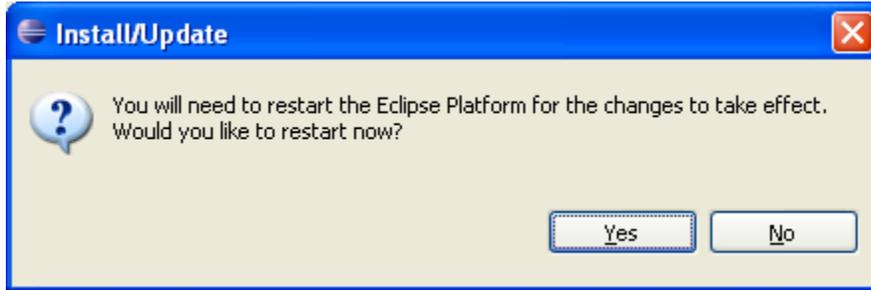
Click **Finish**.



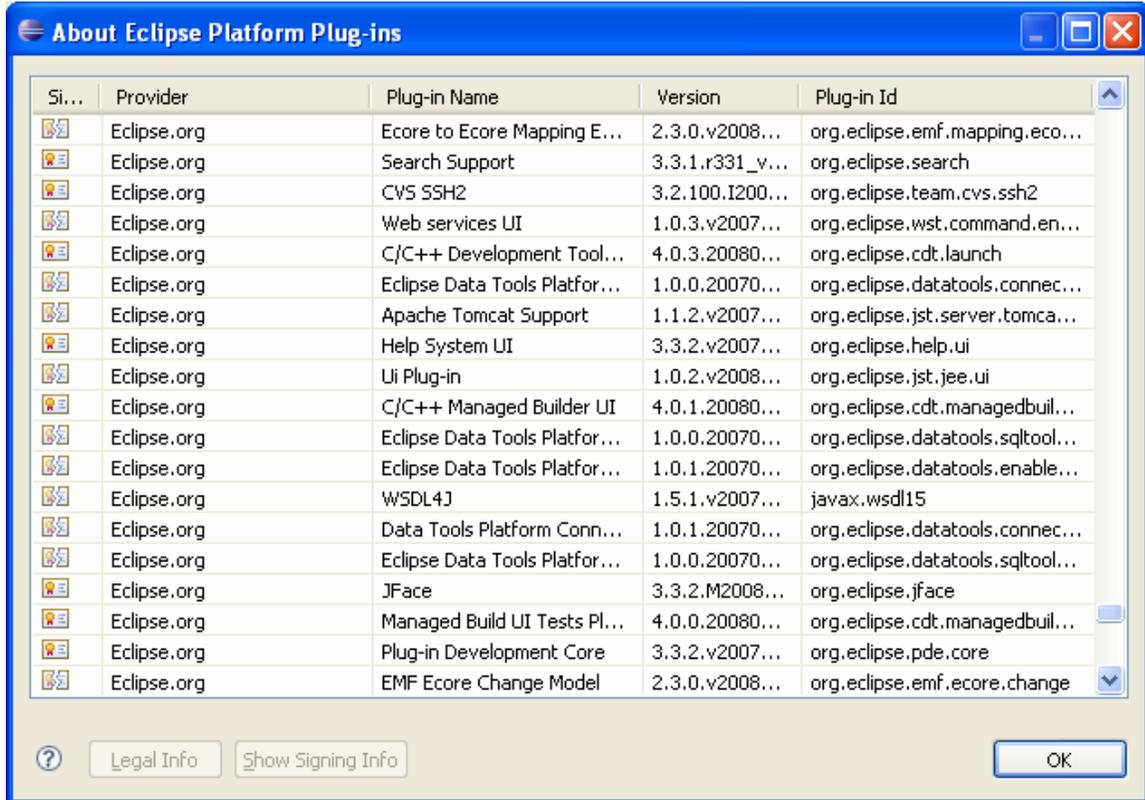
Click **Install All**.



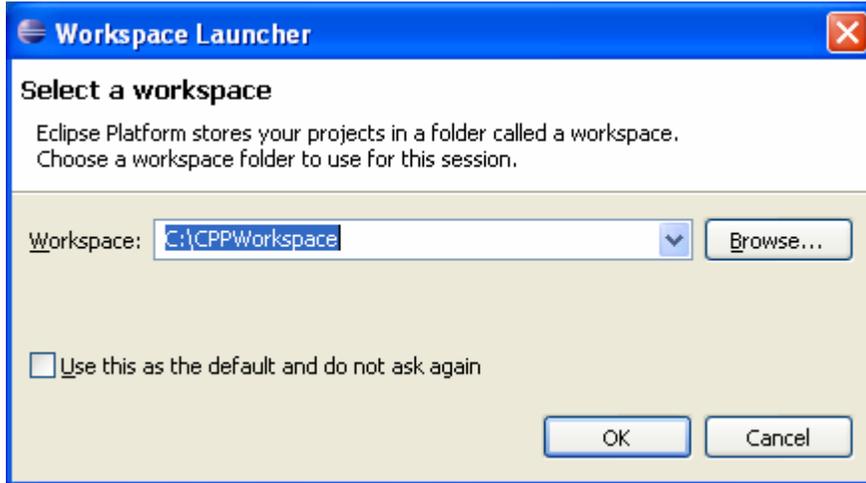
Restart Eclipse.



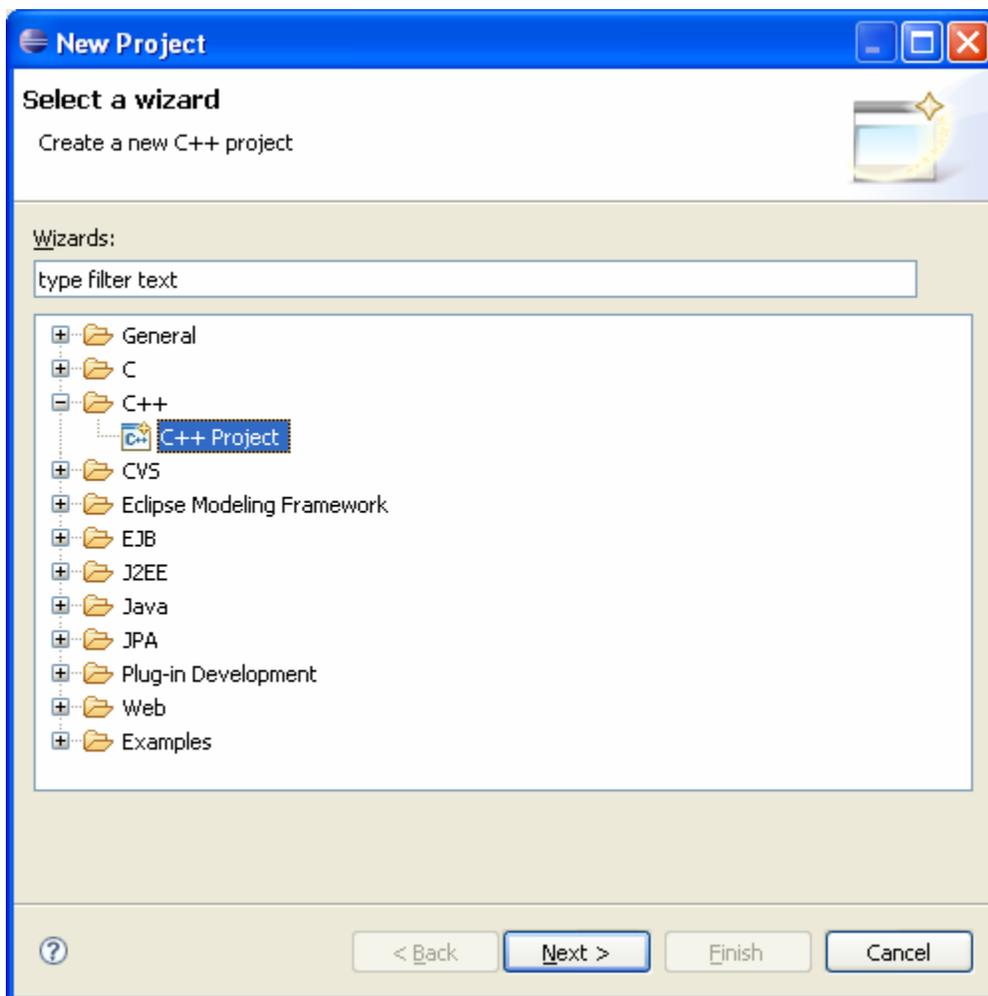
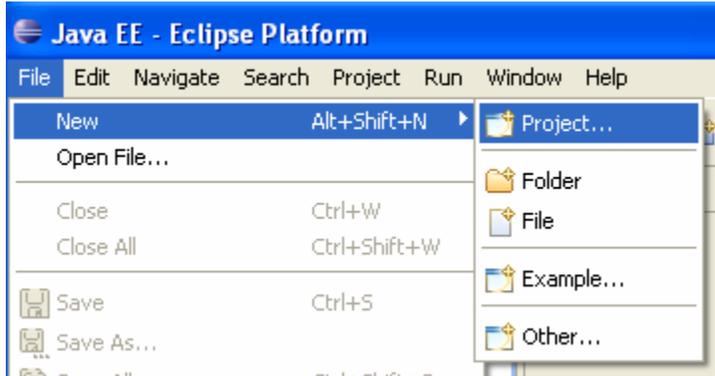
Verify the installation.



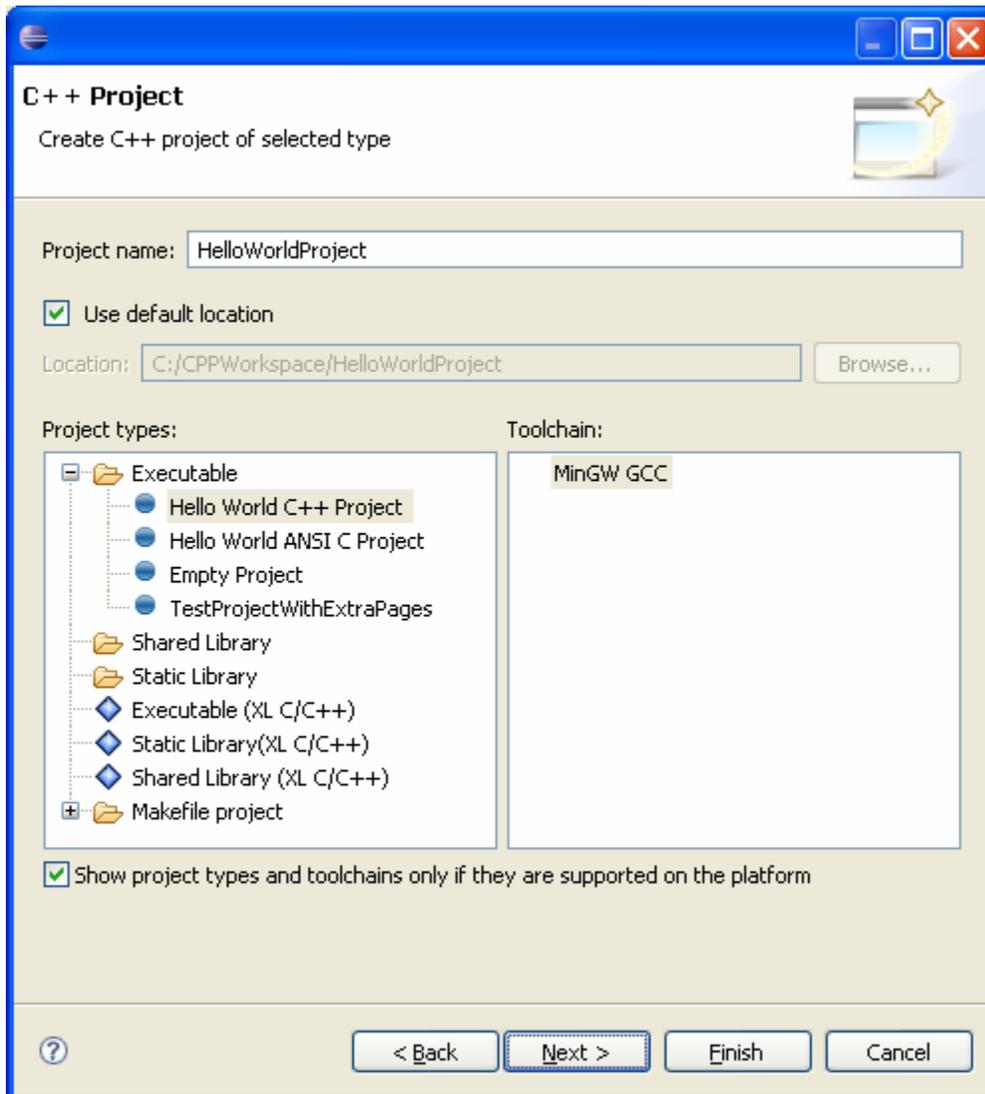
Select your **Workspace**.



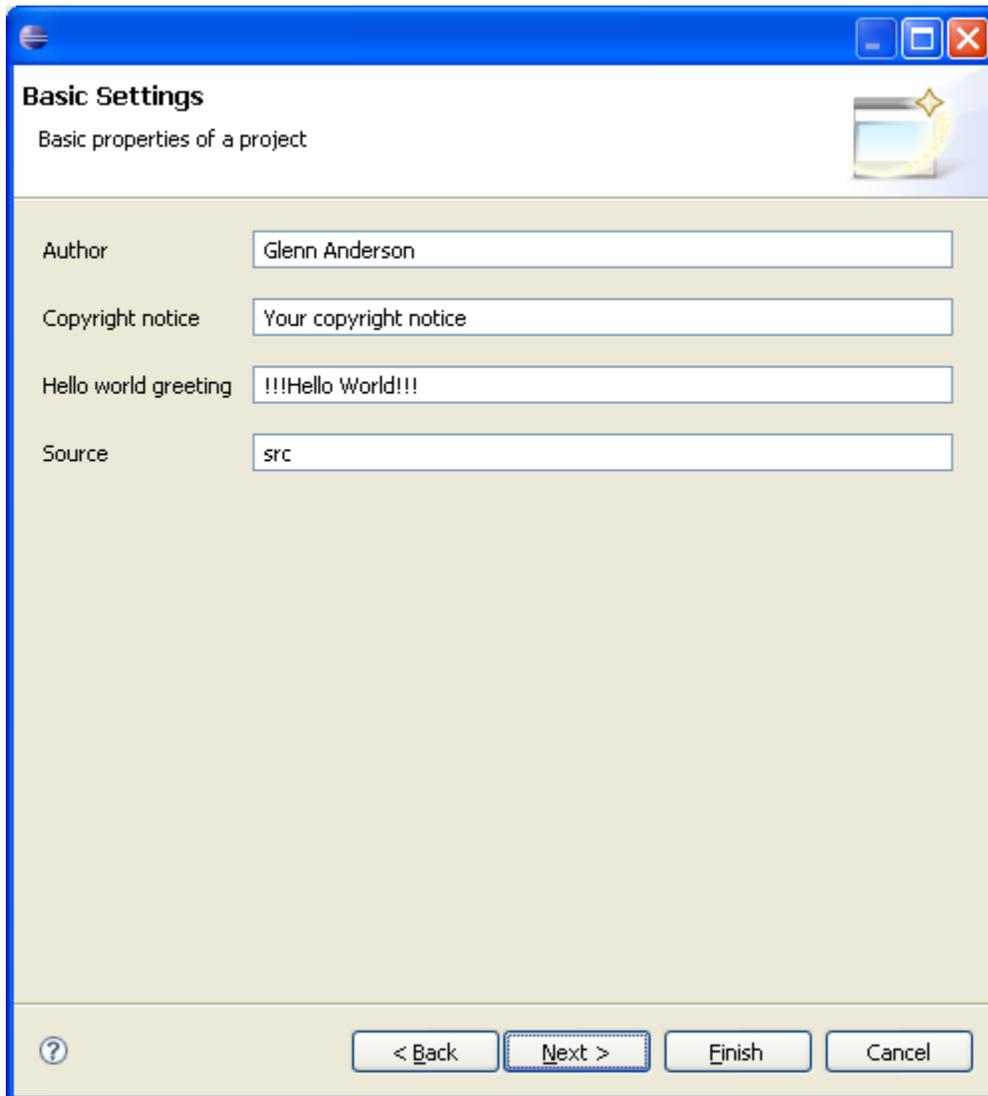
## Create a C++ Project



Select **Executable** | **Hello World C++ Project**.



Click **Next**.

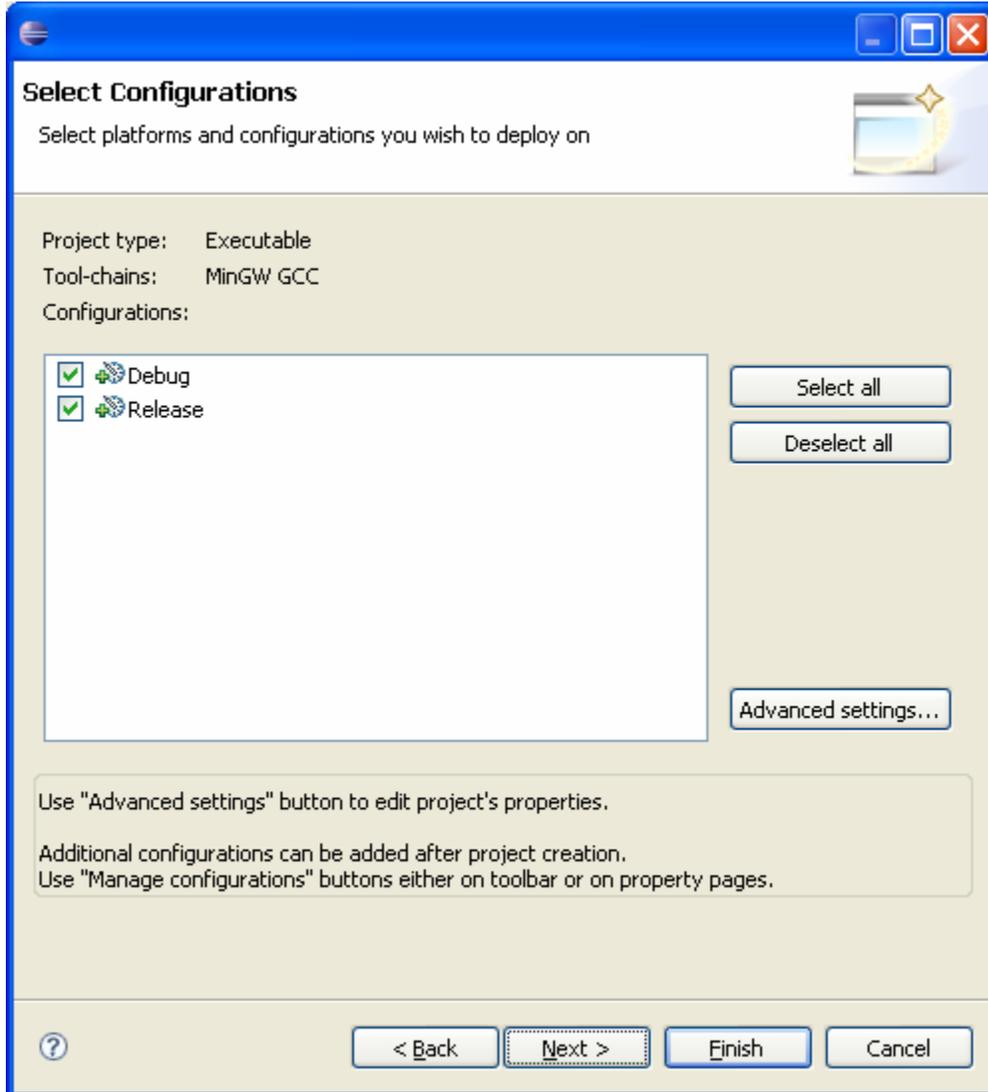


The image shows a Windows-style dialog box titled "Basic Settings" with the subtitle "Basic properties of a project". The dialog has a blue title bar with standard window controls (minimize, maximize, close). The main area is light beige and contains four text input fields:

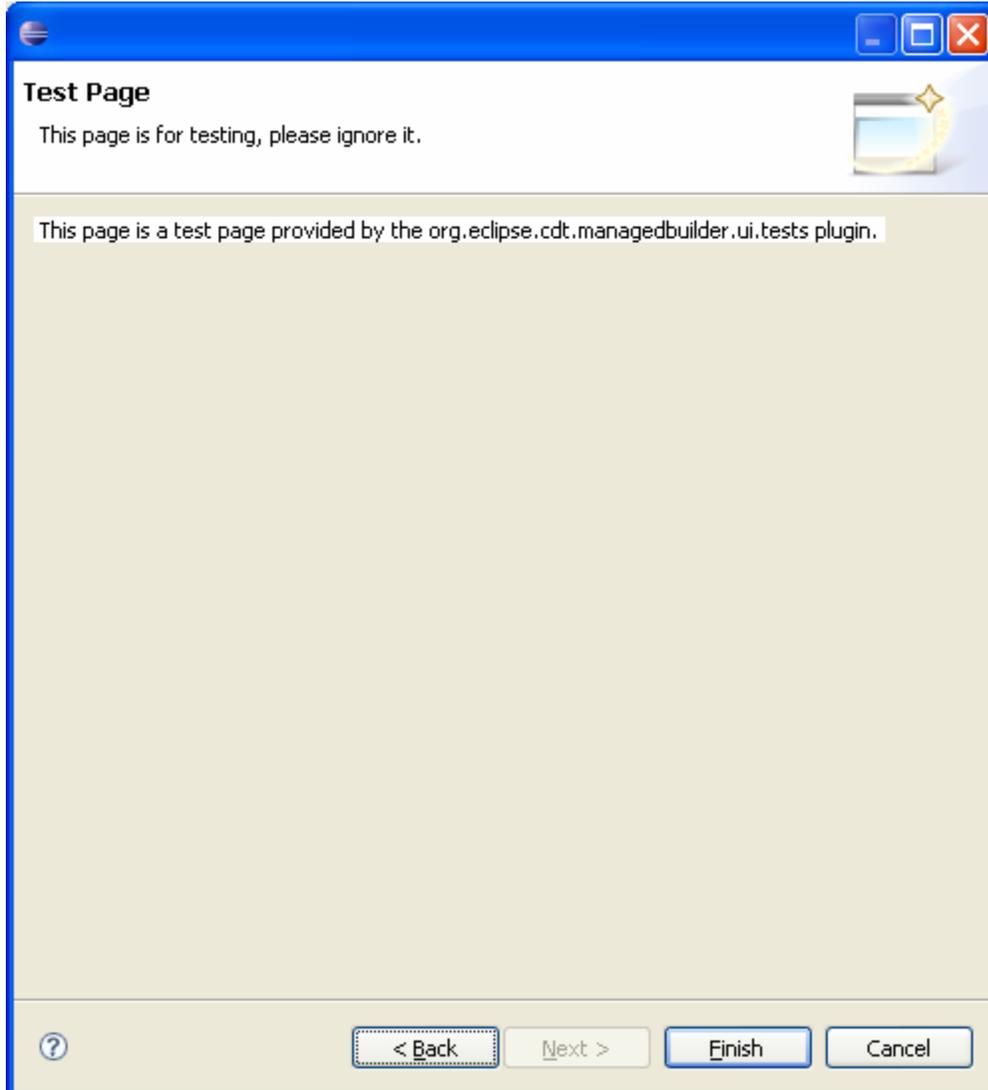
- Author: Glenn Anderson
- Copyright notice: Your copyright notice
- Hello world greeting: !!!Hello World!!!
- Source: src

At the bottom of the dialog, there is a help icon (question mark) on the left and four buttons: "< Back", "Next >", "Finish", and "Cancel". The "Next >" button is highlighted with a dashed border, indicating it is the recommended action.

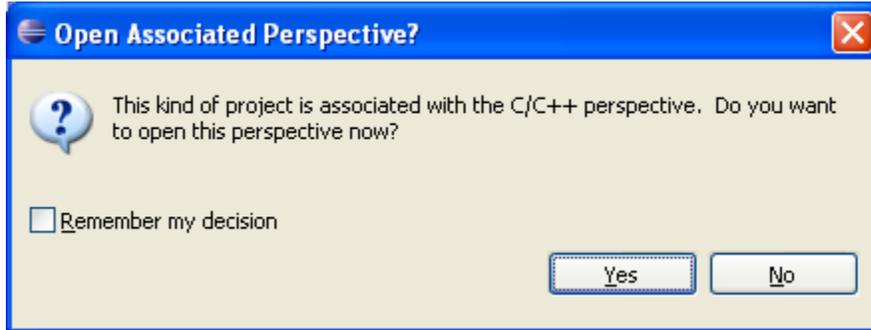
Click **Next**.



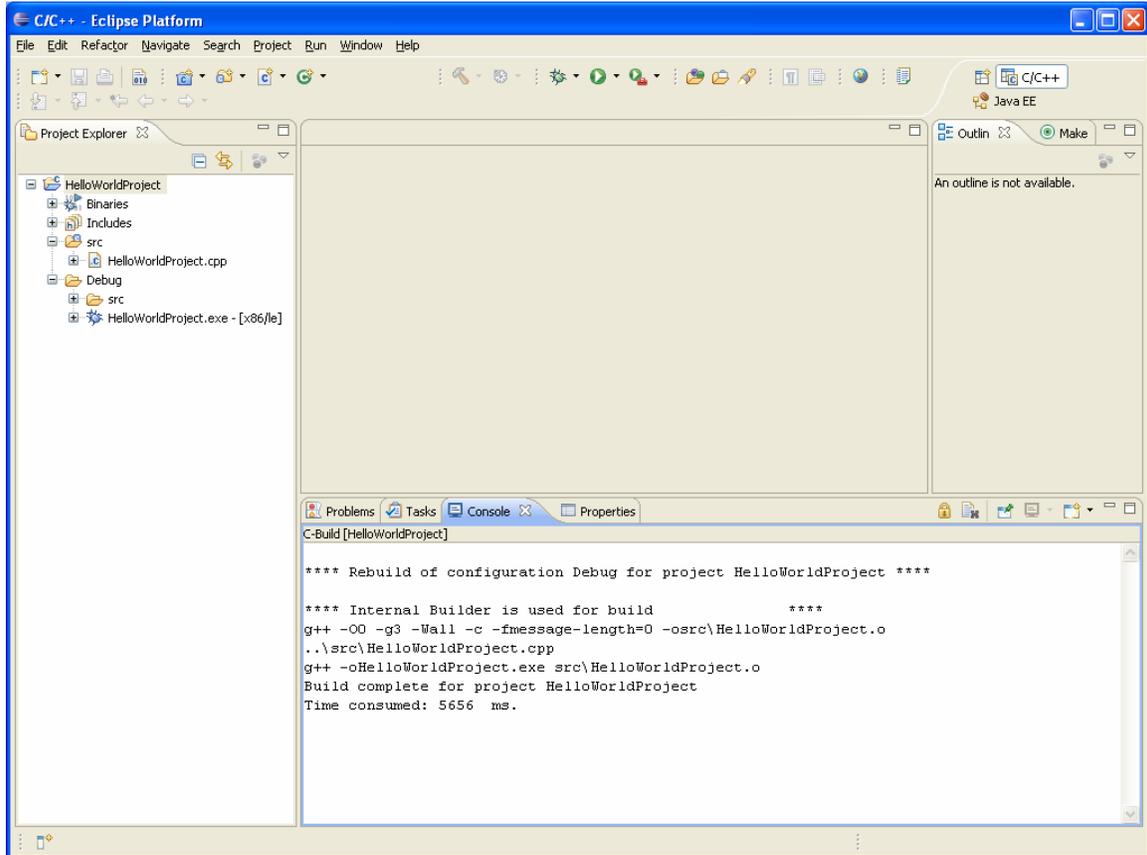
Click **Finish**.



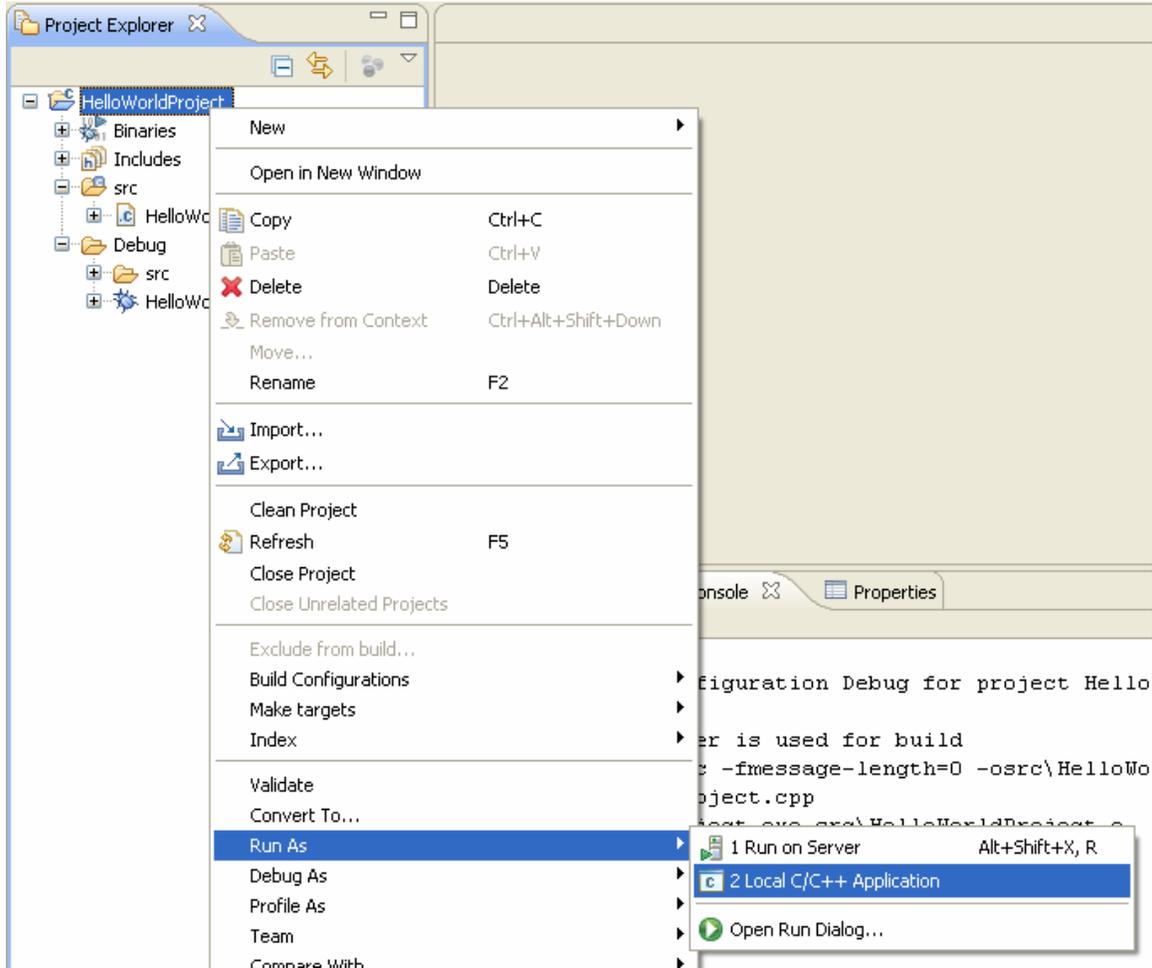
Click Yes.



You should see the Build results in the Console.



Run the application.



You should see the following results.

