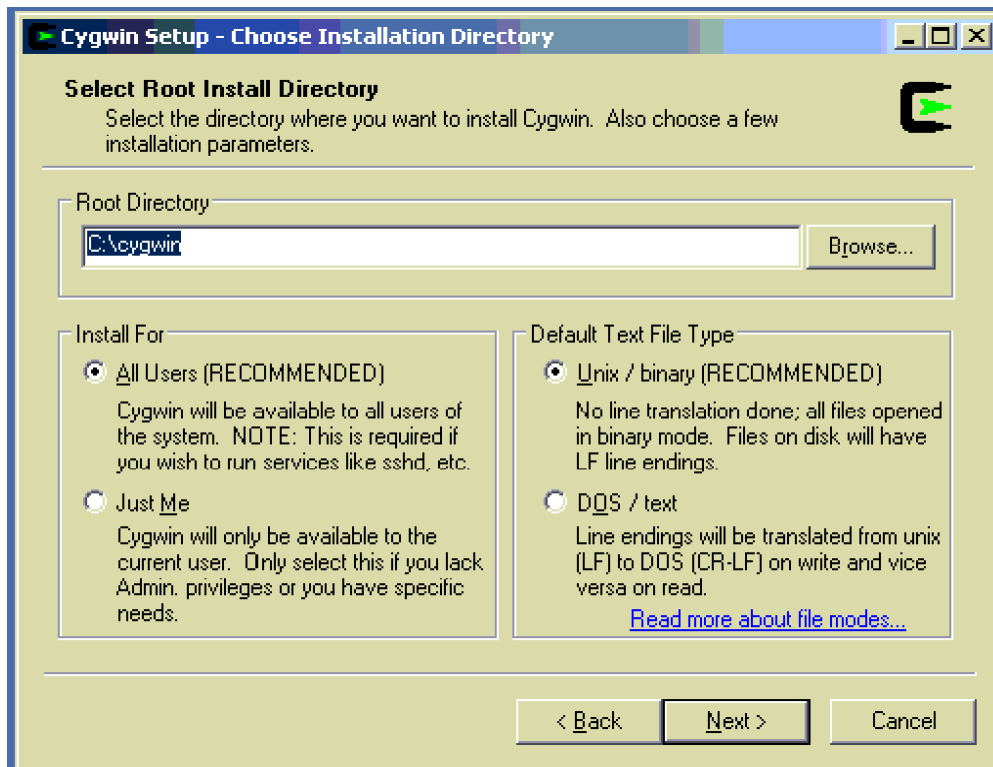


Windows Build Environment Setup

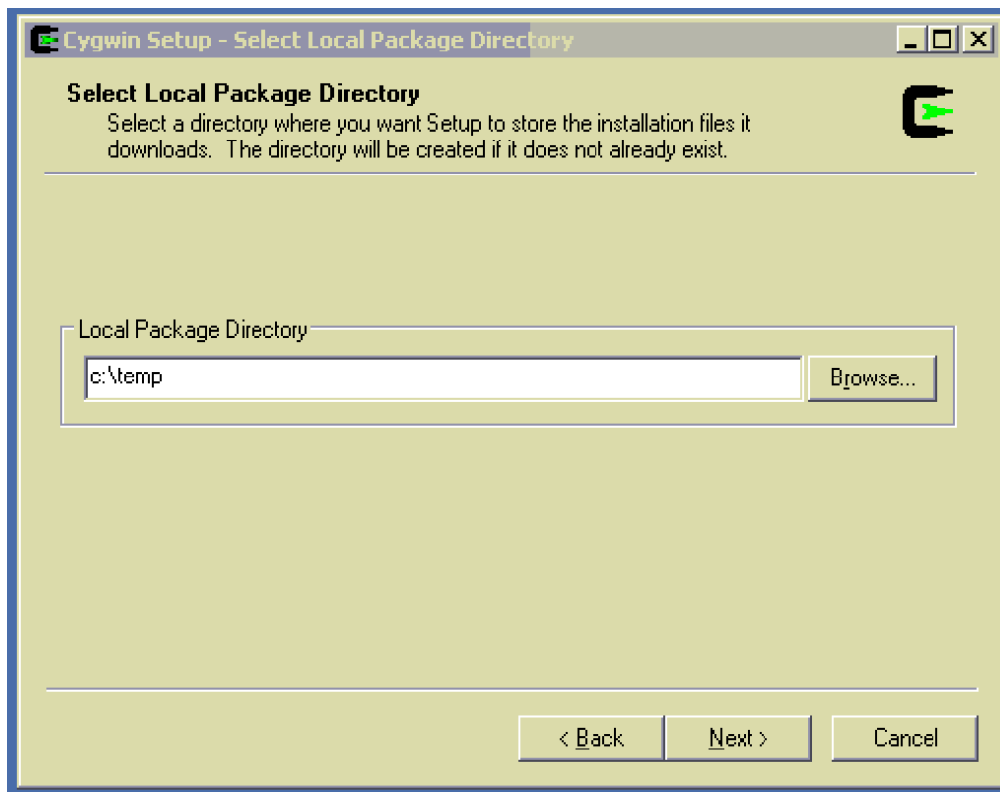
Setting up an Portal Server 7.2 build environment is very simple and straight forward on Solaris and Linux. But on Windows its tricky but not very difficult to setup if you know what tools to install and how to configure them. We already have brief windows build instructions at our [portal build page](#) this documents complements that and also walks thru on cygwin, MSVC installation, and environment setup.

Step 1)

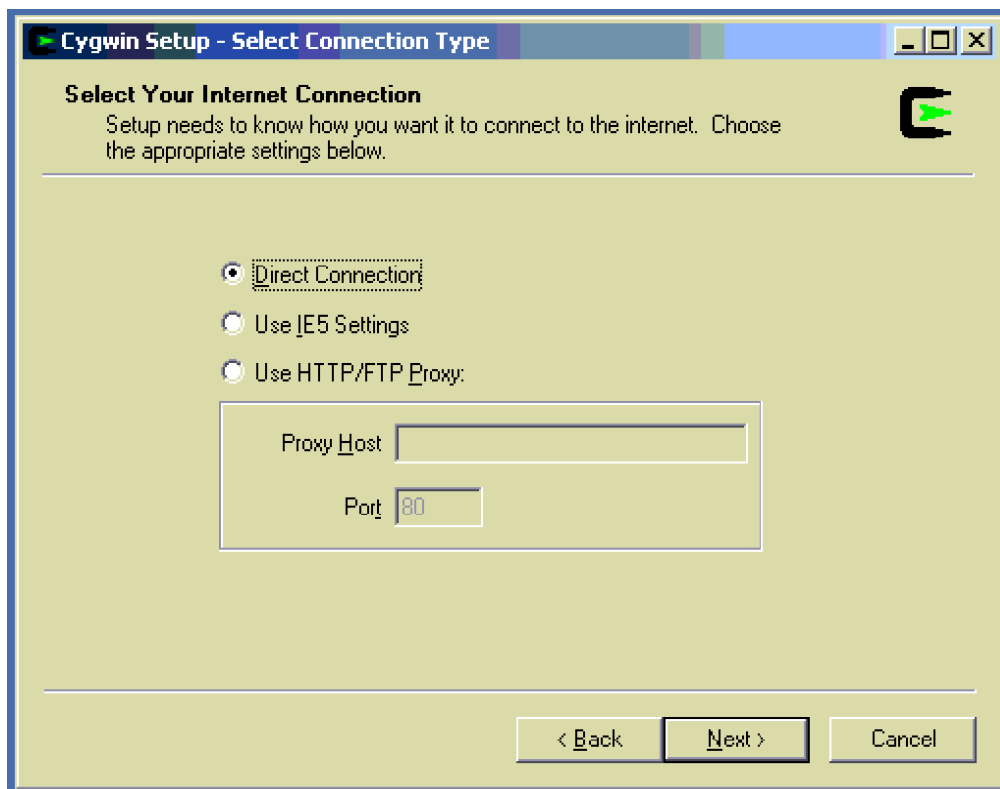
Cygwin is unix emulator for windows and this allows you to use any unix commands on windows shell environment. Lets download setup.exe from cygwin.com



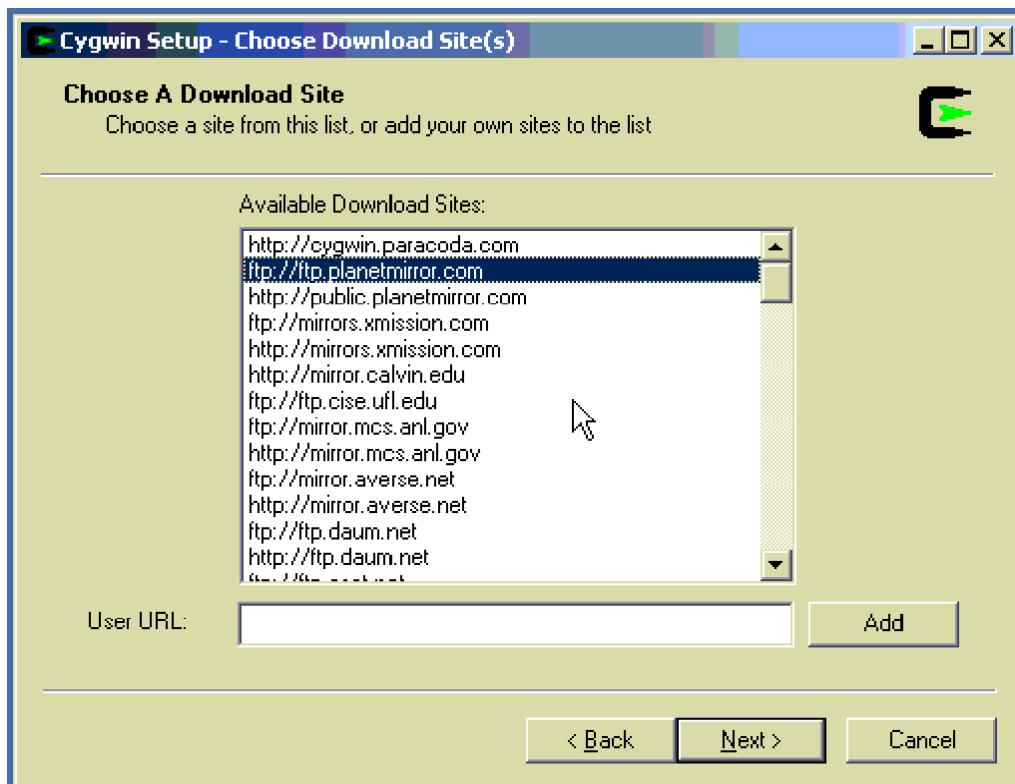
Change you local package dir to c:\temp



Select your internet connection based your set up. For me its direct connection.

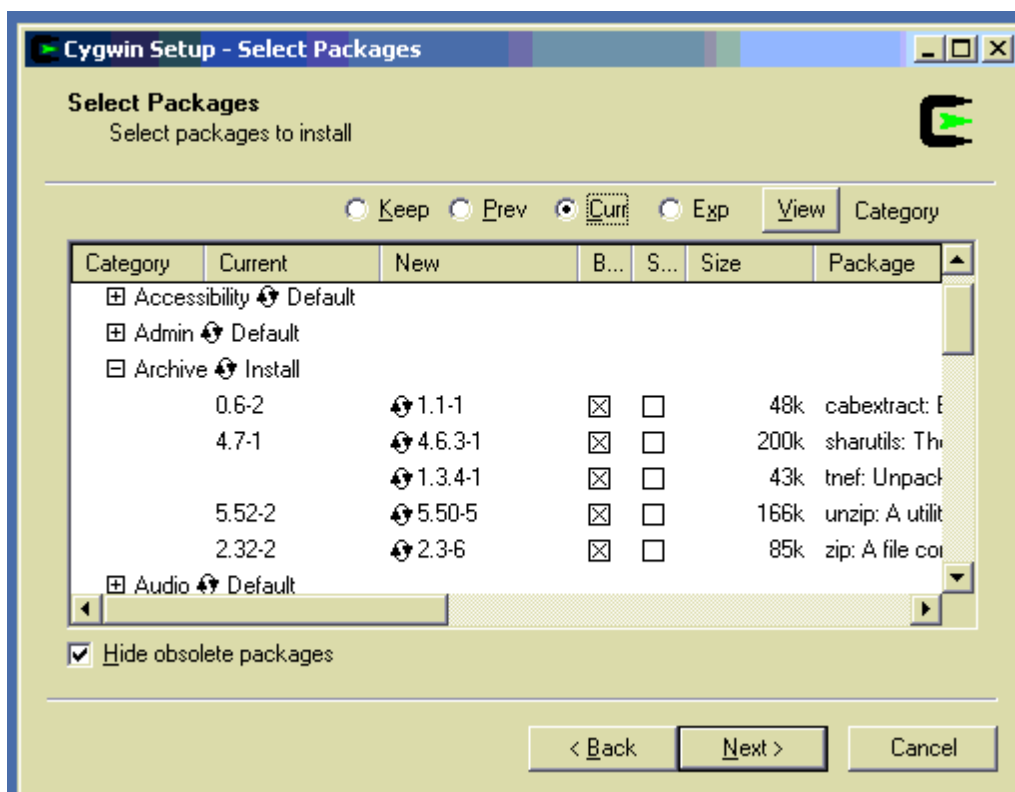


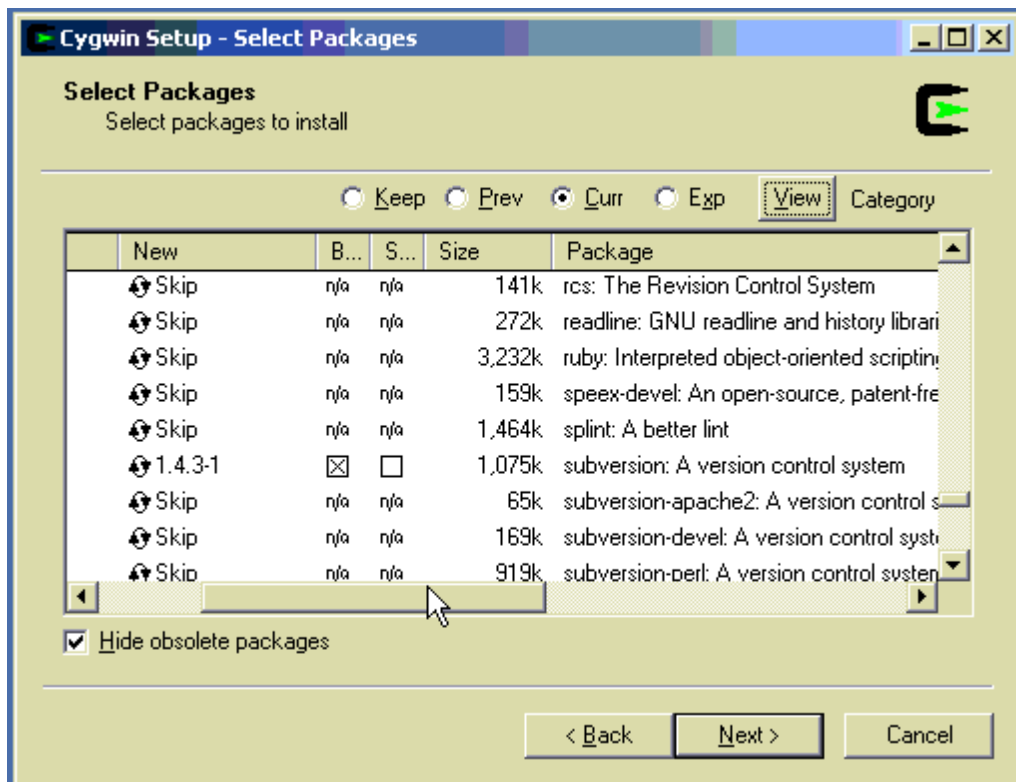
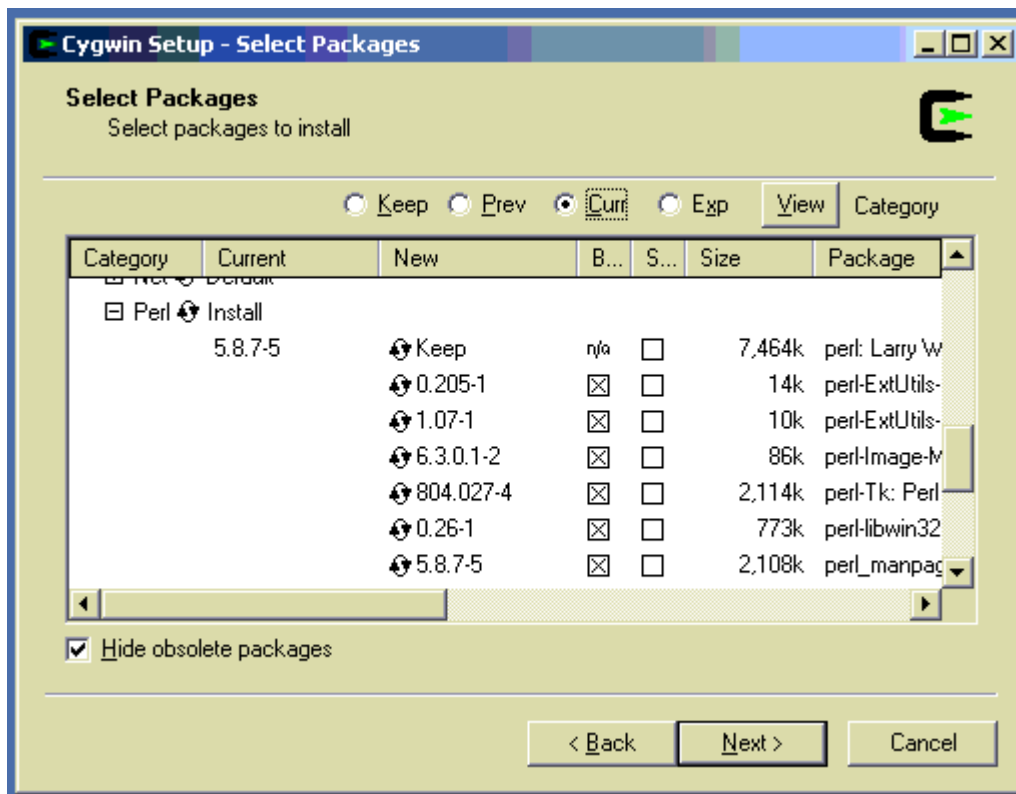
Next screen ask you select the download site..



Here comes the important part. Select below listed packages

Click on view button top right corner to select by category.





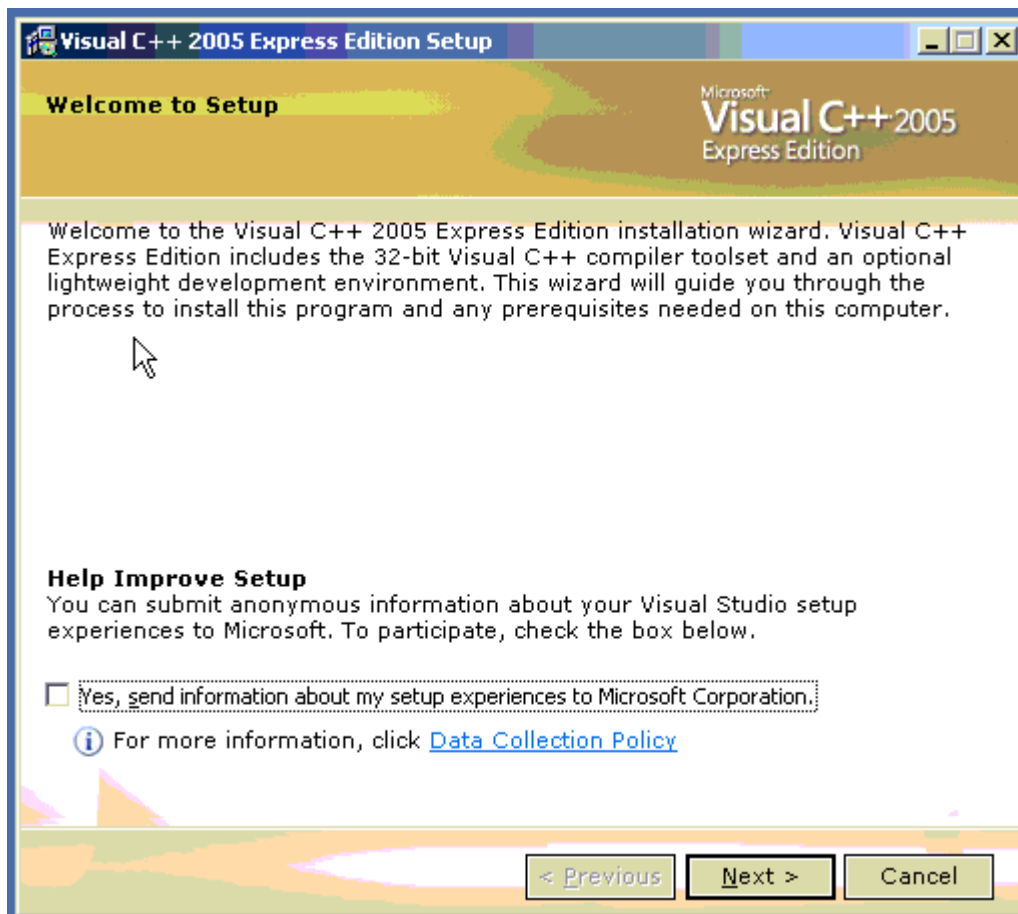
Select Archive to install mode

Also, expand Devel and select make and sub-version and finish cygwin installation.

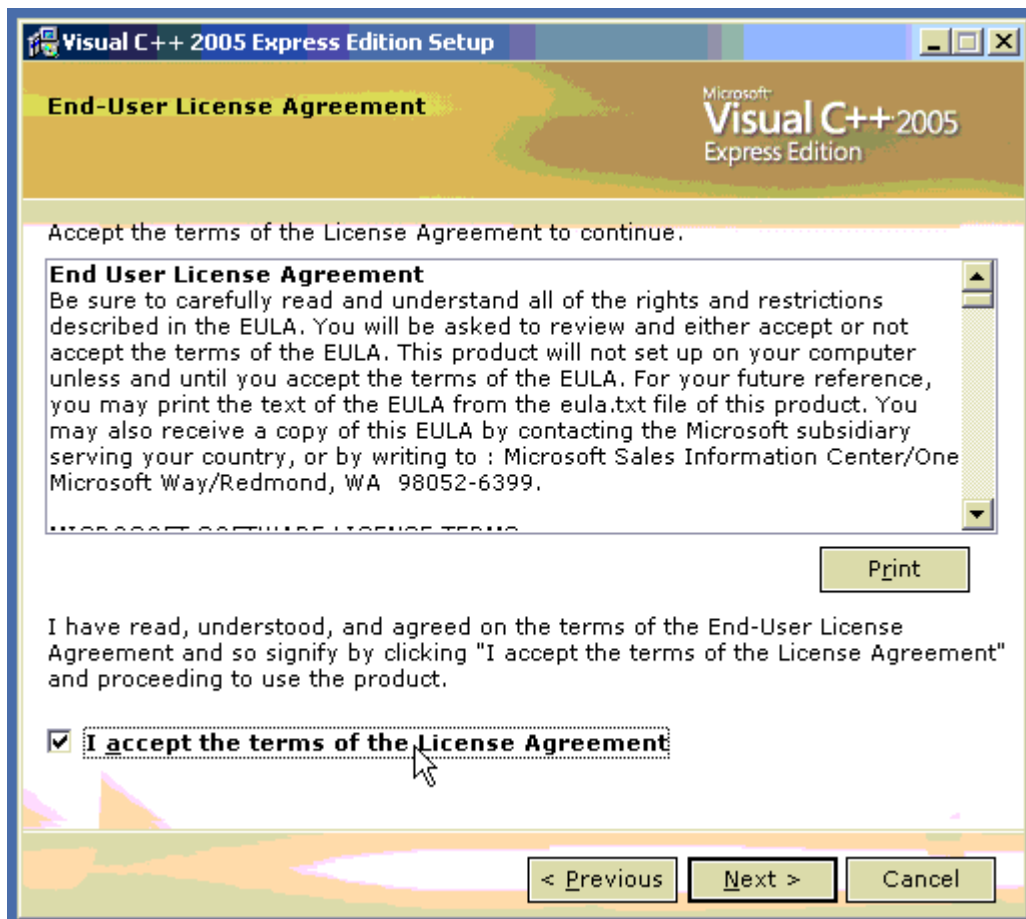
Step 2)

Next step is to download and install [Microsoft VC++ Studio Express](#).

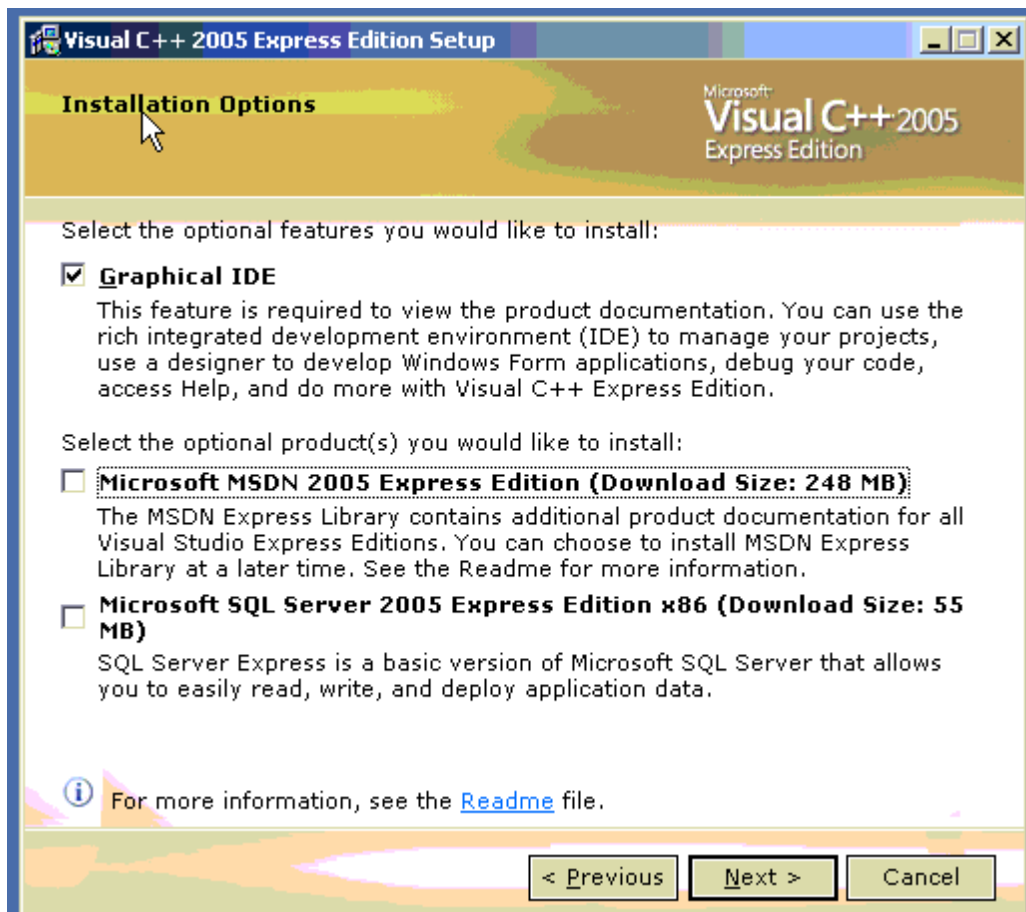
Execute "vcsetup.exe" and follow the instructions below.



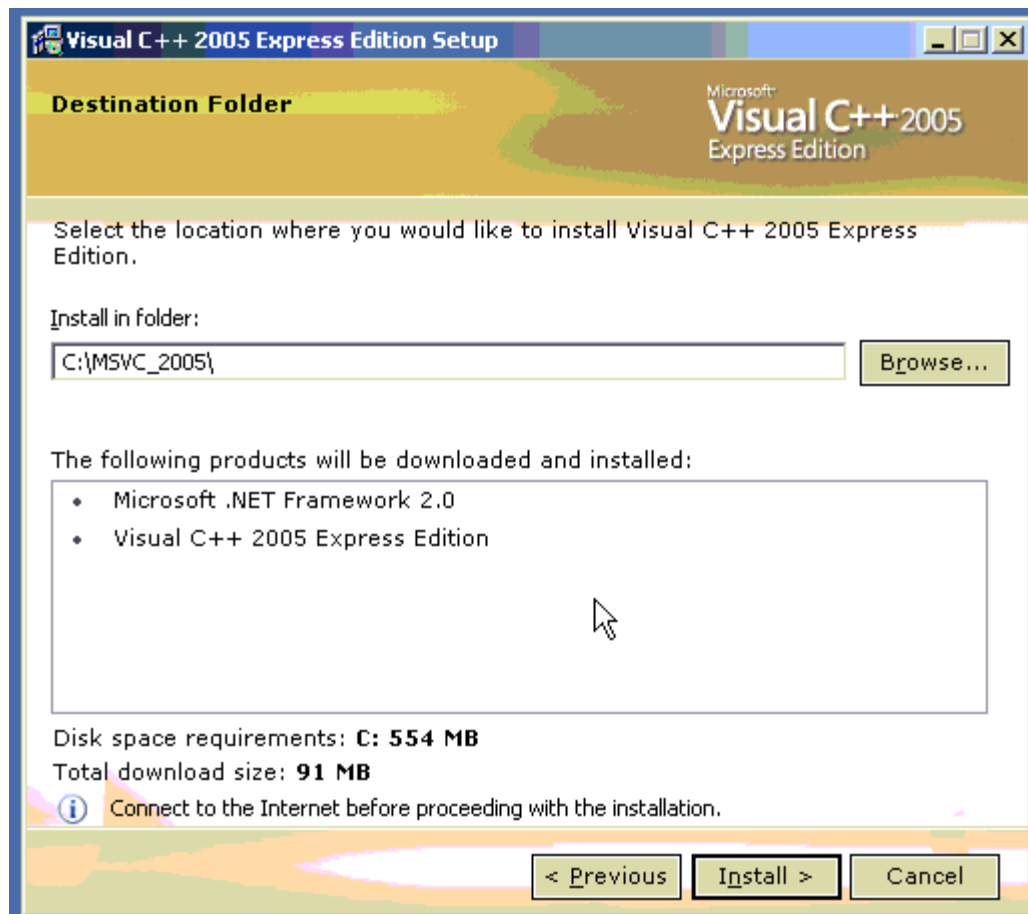
Click Next



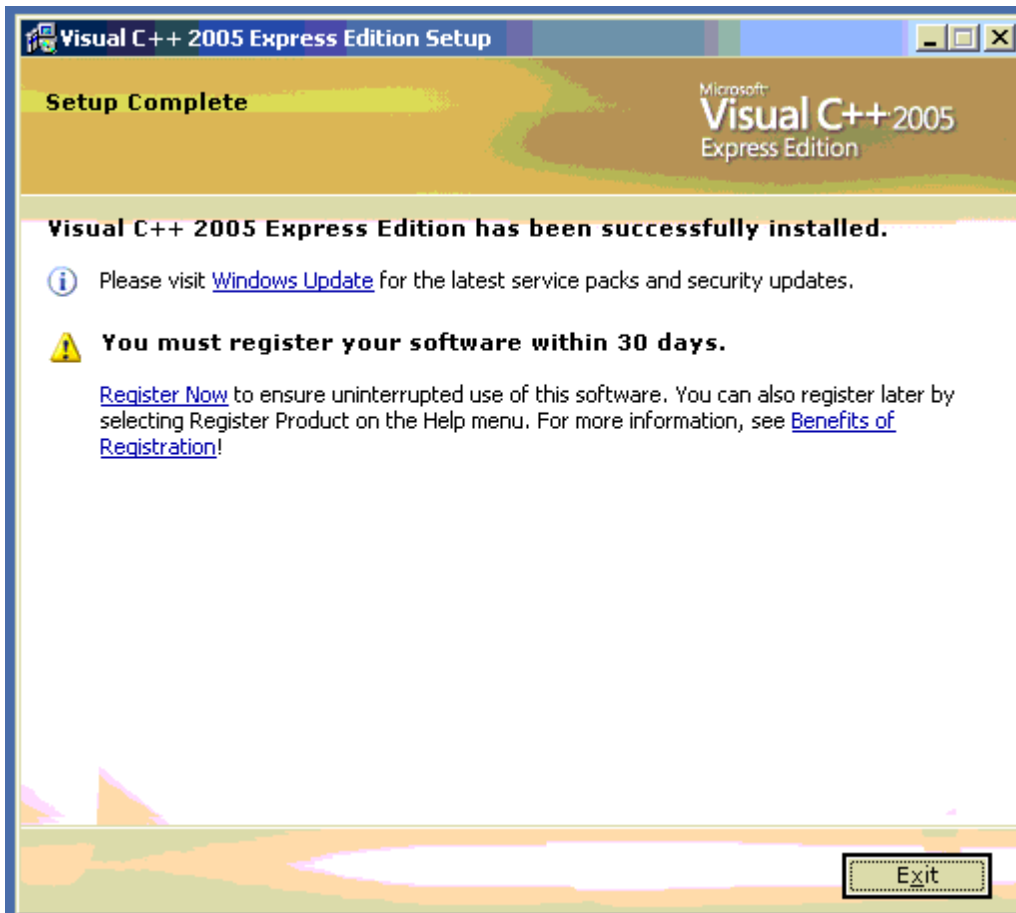
Click next.



Select only the Graphical IDE.



Important, change the default install folder directory to any single worded name you like with “no space” in between and click install button.



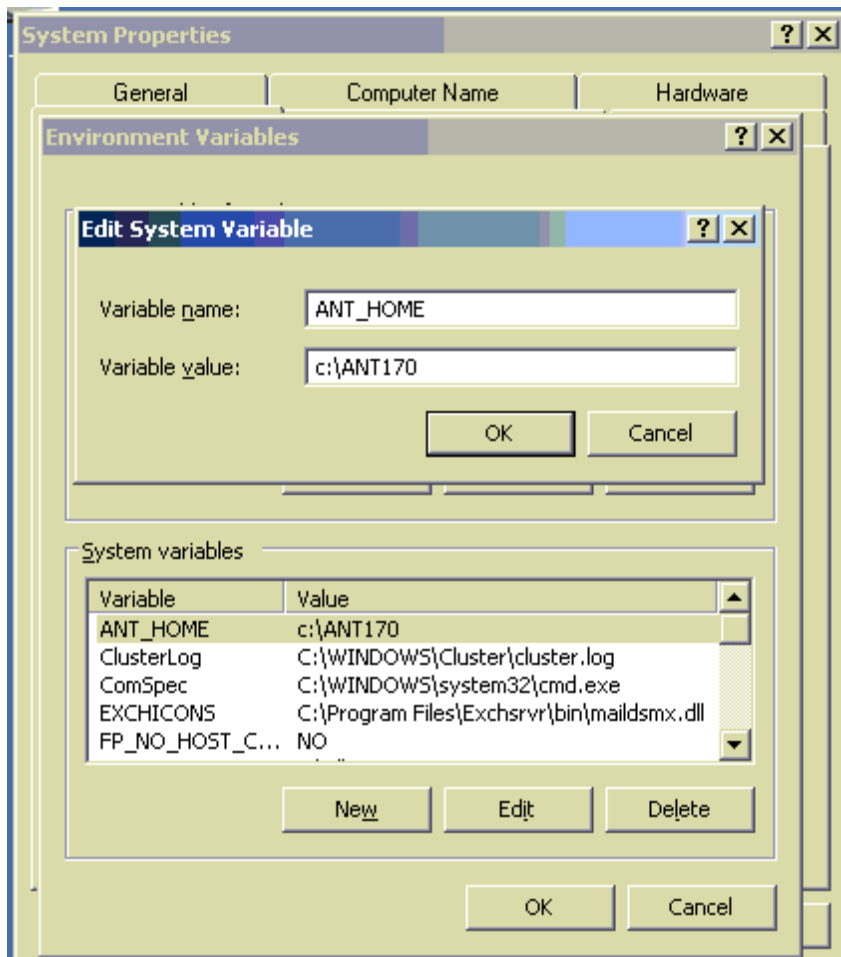
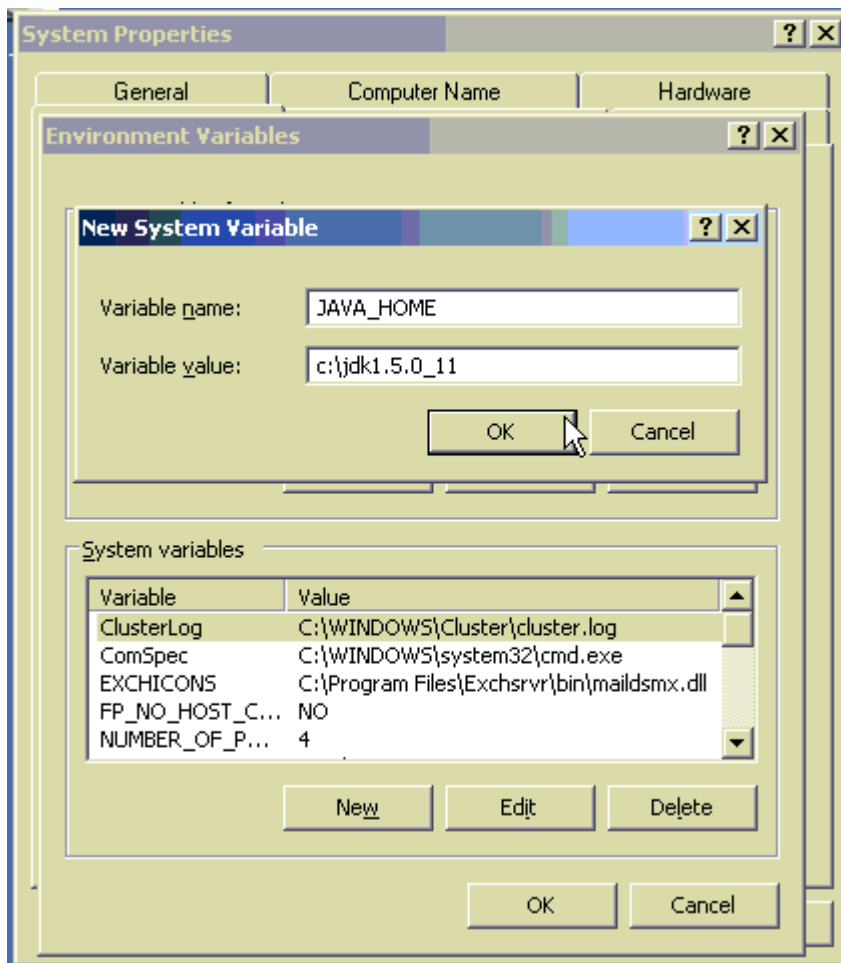
Exit and finish the installation.

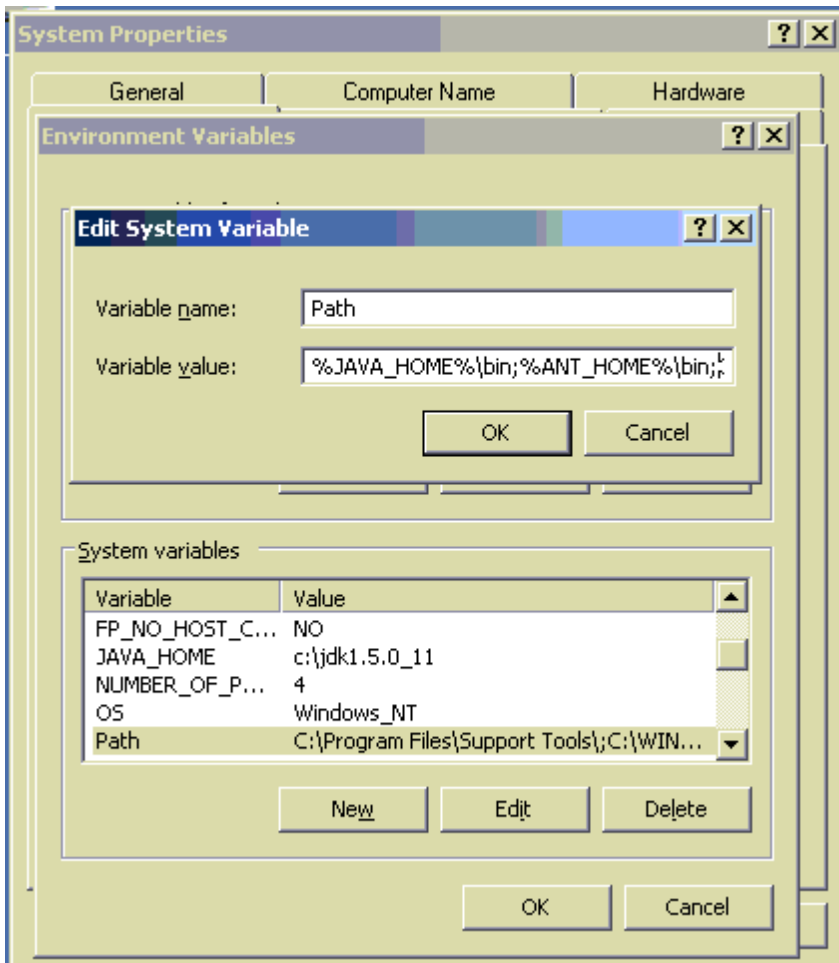
Now, Right Click on My computer and select Properties

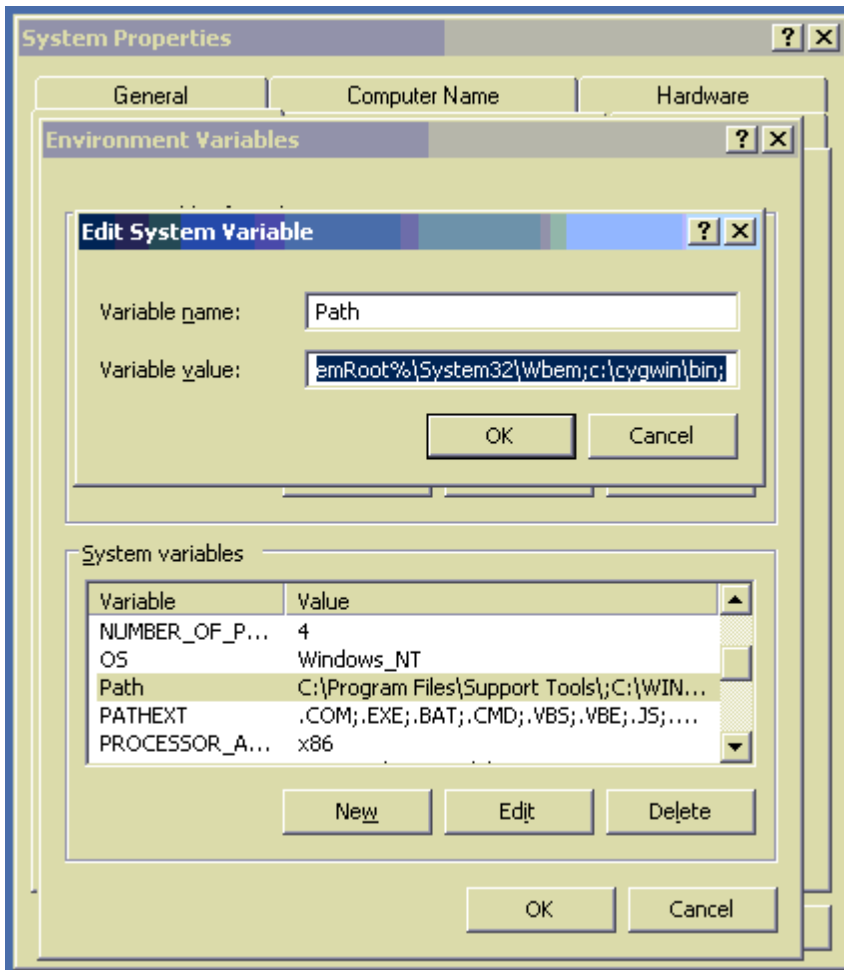
Select Advance Tab à Select Environment Variables and edit Path variable and make sure to append c:\cygwin\bin at end of the Path. Otherwise, cygwin link will try to link during compilation and build will fail.

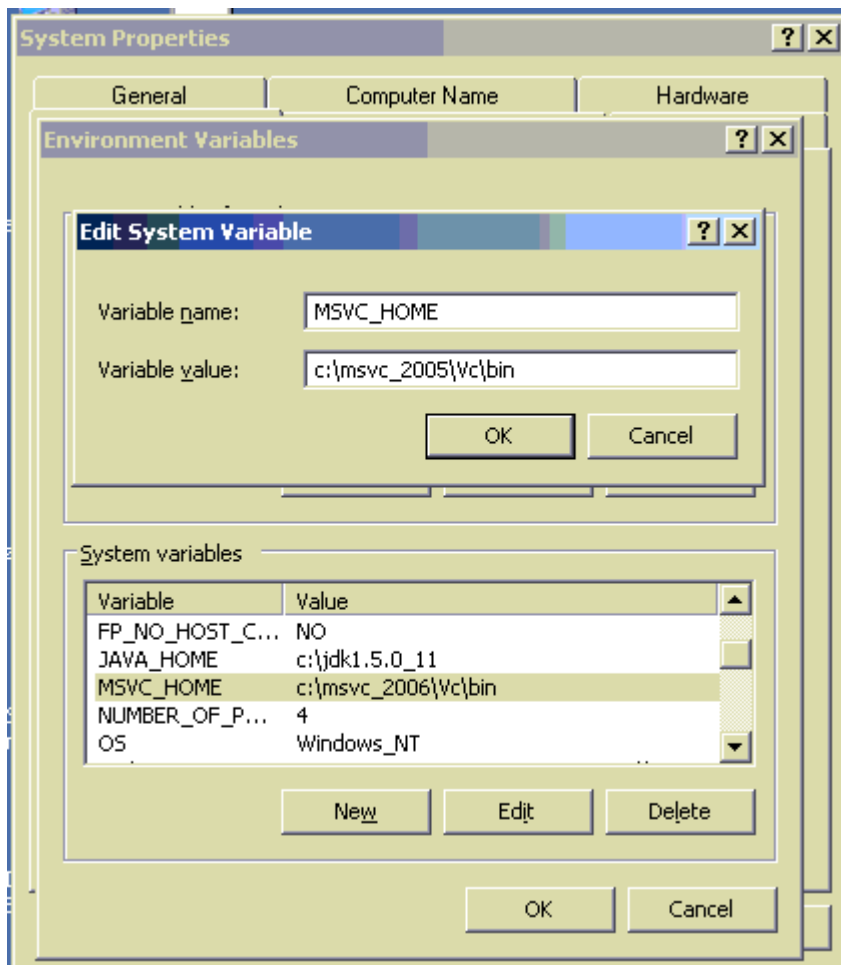
3) we are almost done, now need to download and install JDK 1.5.0_09 and ANT latest version.

No special instruction on these two. But it would be easy to install directly on c:/ or d:/ directory as "c:\jdk150_09" and for ant "c:\ant170" and add following variables in your system.

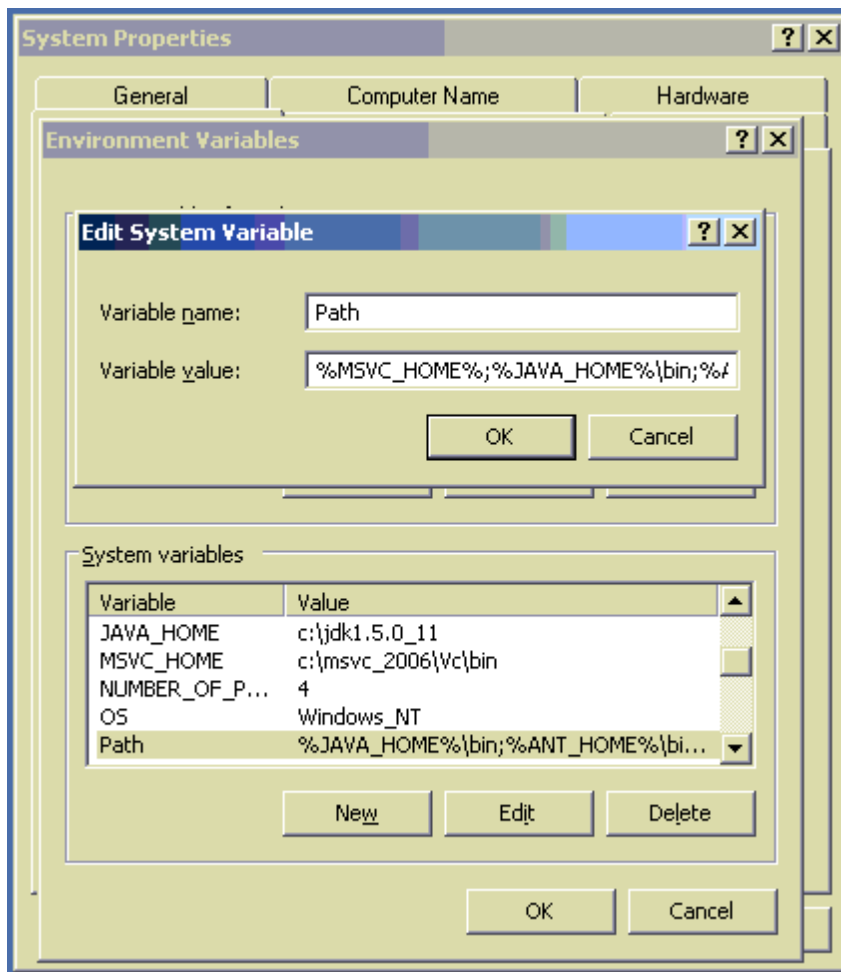








Update the Path variable to include MSVC_HOME at the front.



we discovered a bug on this version of vc compiler which fails if you don't set up "Set VC_VERSION=EXPRESS" you need this on your environment for MS Visual Studio 2005.

We also need Platform SDK if you're using MSVC 2005 Studio Edition. If you're using MSVC 6.0 you don't require this because most of the lib files are bundled in 6.0 but not with 2005 Studio Edition..

If you don't install this you'll see message like this wsoc32.lib not found.

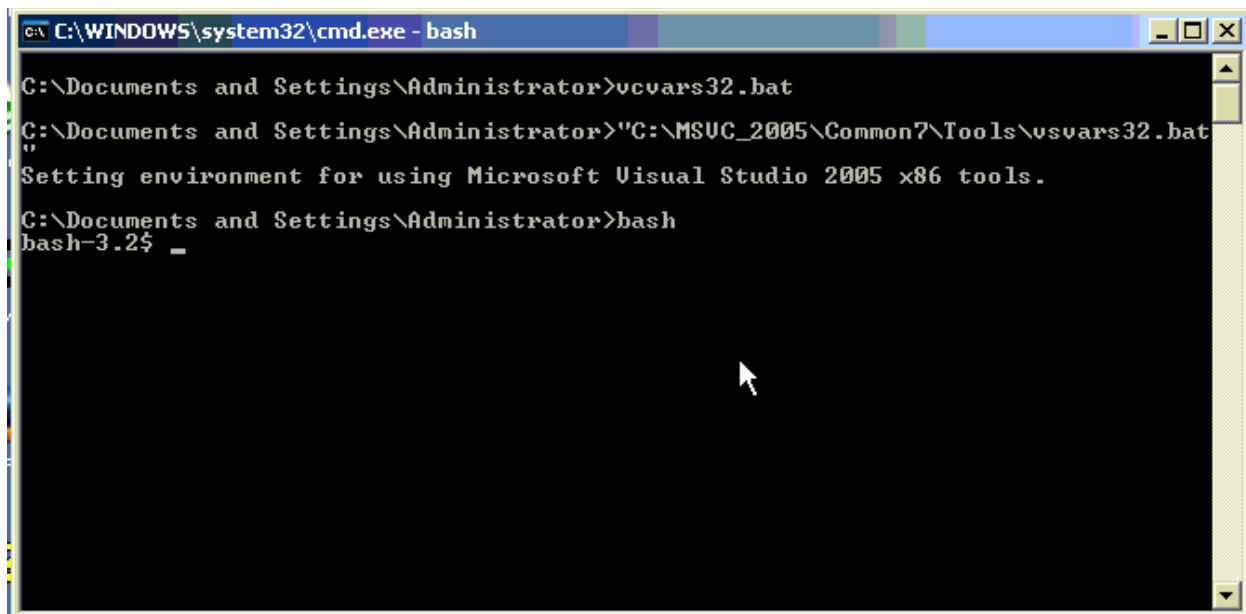
```

C:\WINDOWS\system32\cmd.exe - bash
-optimize/auto-csid1.obj
[exec] cl : Command line warning D9035 : option 'GX' has been deprecated and
d will be removed in a future release
[exec] cl auto-csid1.c
[exec] cl : Command line warning D9036 : use 'EHsc' instead of 'GX'
[exec] link -nologo -out:../OBJ/WINNT-domestic-optimize/auto-csid1.exe -pdb
:none -incremental:no -subsystem:console wsoc32.lib kernel32.lib user32.lib gdi
32.lib winpool.lib comdlg32.lib advapi32.lib shell32.lib ole32.lib oleaut32.lib
rpert4.lib uuid.lib odbcc32.lib odbccp32.lib winmm.lib ../OBJ/WINNT-domestic-opt
imize/auto-csid1.obj ../OBJ/WINNT-domestic-optimize/librdm.lib
[exec] LINK : fatal error LNK1181: cannot open input file 'wsoc32.lib'
[exec] make[3]: *** [../OBJ/WINNT-domestic-optimize/auto-csid1.exe] Error 1
57
[exec] make[3]: Leaving directory `~/cygdrive/c/build/portal/search/ns/netsi
te/batman/common/src/librdm/tests'
[exec] make[2]: *** [build-tests] Error 2
[exec] make[2]: Leaving directory `~/cygdrive/c/build/portal/search/ns/netsi
te/batman/common/src/librdm'
[exec] make[1]: *** [sdk-build] Error 2
[exec] make[1]: Leaving directory `~/cygdrive/c/build/portal/search/ns/netsi
te/batman'
[exec] make: *** [librdm] Error 2

BUILD FAILED
c:\build\portal\build.xml:107: The following error occurred while executing this

```

No special instructions for [Platform SDK](#) but make sure to include them to you path.

A screenshot of a Windows command prompt window. The title bar reads "C:\WINDOWS\system32\cmd.exe - bash". The command prompt shows the following sequence of commands and output:

```
C:\Documents and Settings\Administrator>vcvars32.bat
C:\Documents and Settings\Administrator>"C:\MSUC_2005\Common7\Tools\vsvars32.bat"
Setting environment for using Microsoft Visual Studio 2005 x86 tools.
C:\Documents and Settings\Administrator>bash
bash-3.2$ _
```

Congrats! You done with your windows build environment setup and ready for your first portal build.

Just follow the checkout and build instruction our from our [main page](#).