如何在Visual Studio 2005編譯boost 1.34.1? (C/C++)

**1.下載boost source**  
到<http://www.boost.org>下載最新版本的boost，我目前下載的是1.34.1，將之解壓縮到c:\boost\_1\_34\_1\下。  
  
**2.編譯bjam**利用Visual Studio 2005 Command Prompt開啟DOS視窗，將目錄cd到C:\boost\_1\_34\_1\tools\jam\src下，執行build.bat，然後會在C:\boost\_1\_34\_1\tools\jam\src\bin.ntx86\產生bjam.exe，將bjam.exe複製到c:\boost\_1\_34\_1\下。  
  
**3.設定編譯環境**在VC8出現的warning，主要是以下幾類[4]  
1.C4819 : 代碼中有cp950無法顯示的字元。[1][4]  
2.VC8特有的的safe\_code技術。[3]  
  
修改user-config.jam (C:\boost\_1\_34\_1\tools\build\v2\user-config.jam) 的MSVC configuration

http://kb.cnblogs.com/Images/OutliningIndicators/None.gif#  MSVC configuration  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gif  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gif#  Configure msvc (default version, searched in standard location  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gif#  and PATH).  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gif#  using msvc ;  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gifusing msvc : 8.0 : : <compileflags>/wd4819 <compileflags>/D\_CRT\_SECURE\_NO\_DEPRECATE <compileflags>/D\_SCL\_SECURE\_NO\_DEPRECATE <compileflags>/D\_SECURE\_SCL=0 ;

注：宏解释[3]  
    \_CRT\_SECURE\_NO\_DEPRECATE和\_SCL\_SECURE\_NO\_DEPRECATE用于关闭safe code代码警告；  
    \_SECURE\_SCL用于控制是否采用safe code对STL边界进行检查。   
  
或下載[user-config.jam](http://files.cnblogs.com/oomusou/user-config.zip)覆蓋之。  
  
**4.編譯boost**  
將目錄移至c:\boost\_1\_34\_1\下執行

http://kb.cnblogs.com/Images/OutliningIndicators/None.gifbjam --without-python --toolset=msvc-8.0 --prefix=c:\boost install

參數說明  
--without-python 表示不使用 python  
--toolset : 所使用compiler，Visual Studio 2005為msvc-8.0  
--prefix：指定編譯後library的安裝目錄  
  
**5.設定Visual Studio 2005環境**Tools -> Options -> Projects and Solutions -> VC++ Directories  
在Library files加上c:\boost\lib  
在Include files加上c:\boost\include\boost-1\_34\_1

**6.測試boost是否設定成功**

http://kb.cnblogs.com/Images/OutliningIndicators/ExpandedBlockStart.gifhttp://kb.cnblogs.com/Images/OutliningIndicators/ContractedBlock.gif/\*\*//\*   
http://kb.cnblogs.com/Images/OutliningIndicators/InBlock.gif(C) OOMusou 2007 http://oomusou.cnblogs.com  
http://kb.cnblogs.com/Images/OutliningIndicators/InBlock.gif  
http://kb.cnblogs.com/Images/OutliningIndicators/InBlock.gifFilename    : boost\_StringTrim.cpp  
http://kb.cnblogs.com/Images/OutliningIndicators/InBlock.gifCompiler    : Visual C++ 8.0 / ISO C++ (boost)  
http://kb.cnblogs.com/Images/OutliningIndicators/InBlock.gifDescription : Demo how to boost to trim string  
http://kb.cnblogs.com/Images/OutliningIndicators/InBlock.gifRelease     : 02/22/2007 1.0  
http://kb.cnblogs.com/Images/OutliningIndicators/ExpandedBlockEnd.gif\*/  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gif#include <iostream>  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gif#include <string>  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gif#include <boost/algorithm/string.hpp>  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gif  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gifusing namespace std;  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gifusing namespace boost;  
http://kb.cnblogs.com/Images/OutliningIndicators/None.gif  
http://kb.cnblogs.com/Images/OutliningIndicators/ExpandedBlockStart.gifhttp://kb.cnblogs.com/Images/OutliningIndicators/ContractedBlock.gifint main() {  
http://kb.cnblogs.com/Images/OutliningIndicators/InBlock.gif  string s = "  Hello boost!! ";  
http://kb.cnblogs.com/Images/OutliningIndicators/InBlock.gif  trim(s);  
http://kb.cnblogs.com/Images/OutliningIndicators/InBlock.gif  cout << s << endl;  
http://kb.cnblogs.com/Images/OutliningIndicators/ExpandedBlockEnd.gif}

執行結果

* Hello boost!!

[**vs2005下编译基于stlport的boost**](http://www.cppblog.com/thisisbin/archive/2008/12/09/68929.html)

1、安装stlport，参考文章：<http://www.cnblogs.com/DonLiang/archive/2007/10/13/923143.html>  
如果是DEBUG模式请在项目的属性=>配置属性=>c/c++=>命令行的附加选项增加/D\_STLP\_DEBUG  
  
2、boost\_1\_37\_0\tools\jam\stage下运行build.bat编译生成bjam.exe并拷贝到boost根目录  
  
3、修改配置文件boost\_1\_37\_0\tools\build\v2\user-config.jam，将两个stlport选项打开  
using stlport : 5.2.1 : "D:\\work\\VS\\Projects\\STLport-5.2.1\\stlport" : "D:\\work\\VS\\Projects\\STLport-5.2.1\\lib" ;  
4、vs2005命令提示下编译命令：bjam stdlib=stlport --build-type=complete msvc-8.0 stage，接下来是漫长的等待，大概两个小时以上吧