

MSVC 2012 Express (not officially supported by Teamcenter)

Install

Install the Visual Studio Express 2012 for Windows Desktop version.

Changes in bmide.bat

The bmide_generatecode.bat is using TC_BIN, if not defined following error

Error: Could not find or load main class
com.teamcenter.bmide.codegen.utility.GenerateCodeMain
is shown. Add TC_BIN definition into bmide.bat

```
if not defined TC_ROOT set TC_ROOT=C:\plm\tc112  
if not defined TC_BIN set TC_BIN=%TC_ROOT%\bin
```

Add following line for 64bit compilation:

```
call "C:\Program Files (x86)\Microsoft Visual Studio 11.0\VC\vcvarsall.bat" x86_amd64  
set PATH=%JRE_HOME%\bin;%JDK_HOME%\bin;%TC_ROOT%\lib;%FMS_HOME%\bin;%FMS_HOME%\lib;  
%FMS_HOME%;%PATH%
```

Source management

Do not use SVN in BMIDE directly, but externaly (Tortoise, Eclipse)

To Create Template without building check in

Package just do

Change in environment

- same mashine, same dir OK
- same machine other check out dir
change make file
- other machine
change make file

Add new service

clean project

generate service artifacts

Modify type

clean project

generate service artifacts

Change service operation

remove service cxx and hxx file for this service

clean project

generate service artifacts

merge service cxx and hxx files

Configuration in BMIDE Project properties

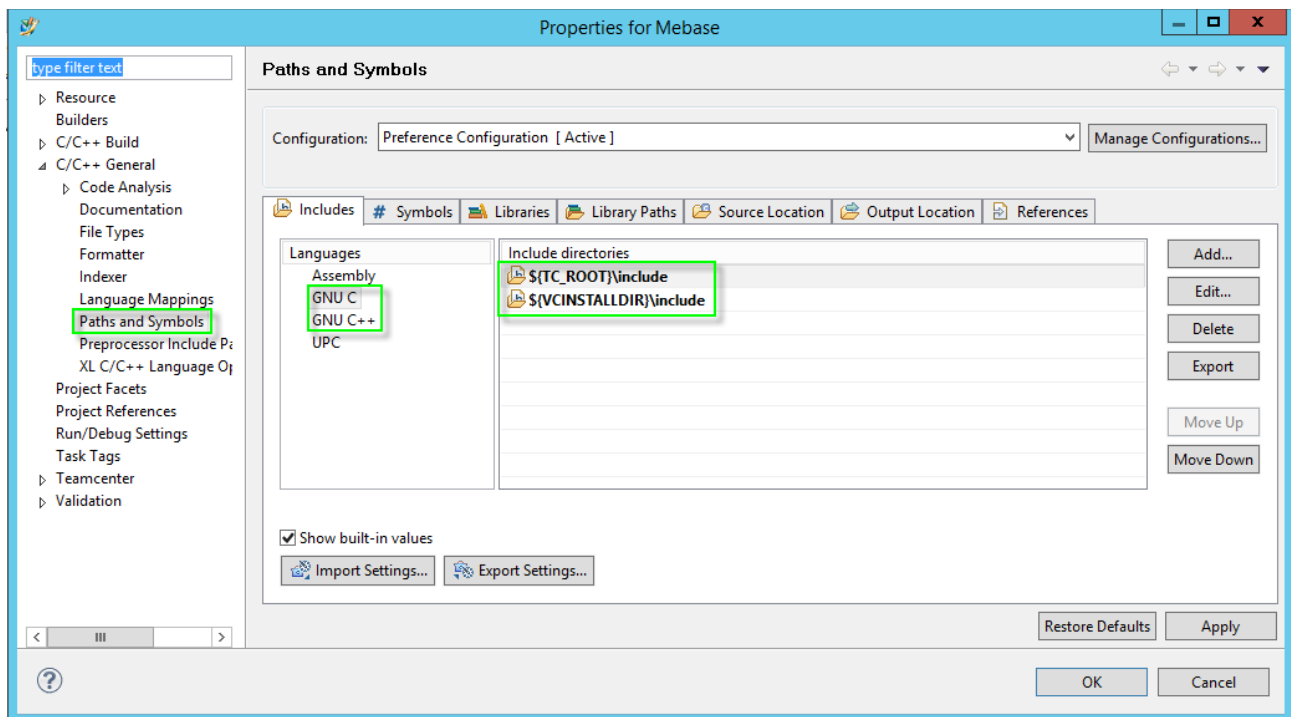
Path and symbols

For [symbol evaluation](#) define correct include directories:

Windows:

C
\${TC_ROOT}\include
\${VCINSTALLDIR}\include

C++
\${TC_ROOT}\include
\${VCINSTALLDIR}\include



Unix:

C
Get system configuration with
gcc -xc -E -v -

and add it after \${TC_ROOT}/include e.g.:

```
${TC_ROOT}/include
/usr/lib/gcc/x86_64-redhat-linux/4.8.5/include
/usr/local/include
/usr/include
```

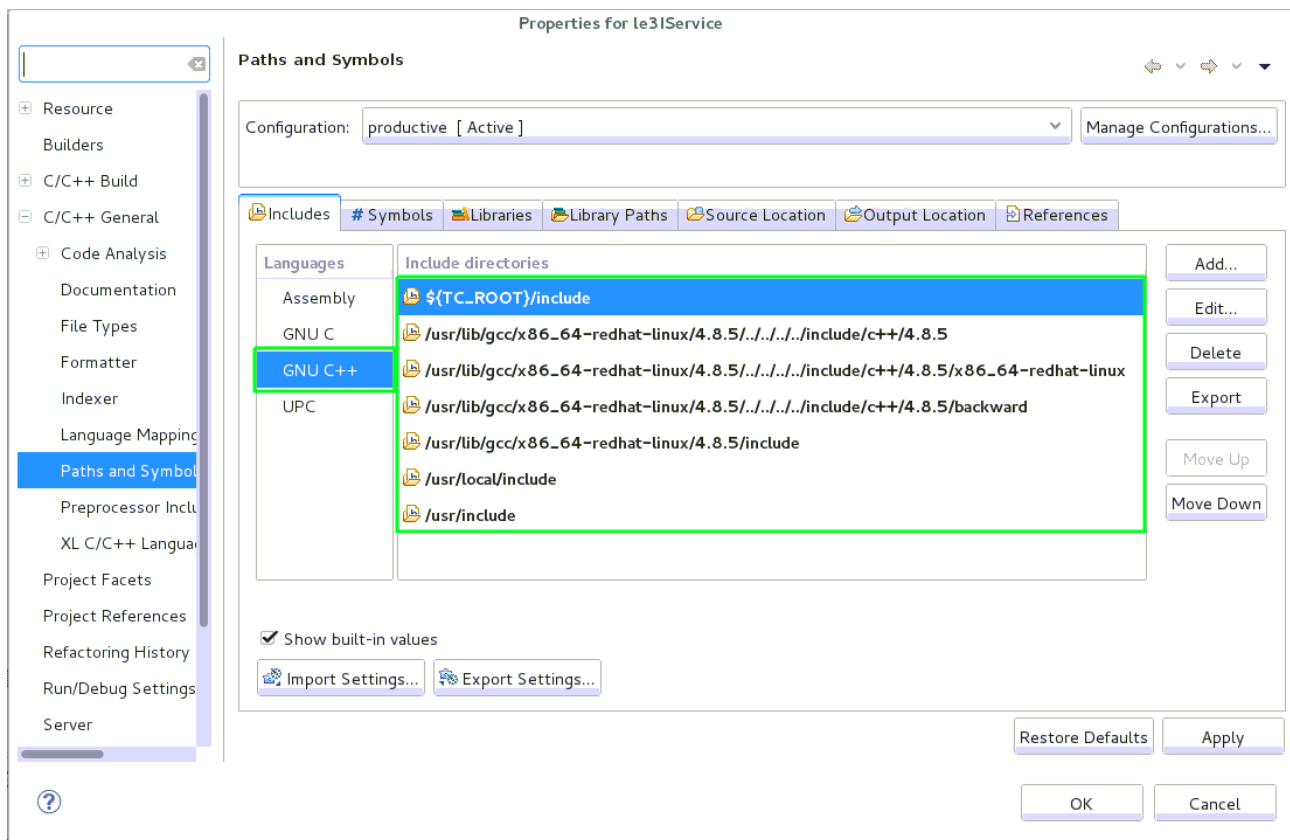
C++

Get system configuration with

```
gcc -xc++ -E -v -
```

and add it after `${TC_ROOT}/include` e.g.:

```
${TC_ROOT}/include
/usr/lib/gcc/x86_64-redhat-linux/4.8.5/../../../../include/c++/4.8.5
/usr/lib/gcc/x86_64-redhat-linux/4.8.5/../../../../include/c++/4.8.5/x86_64-redhat-linux
/usr/lib/gcc/x86_64-redhat-linux/4.8.5/../../../../include/c++/4.8.5/backward
/usr/lib/gcc/x86_64-redhat-linux/4.8.5/include
/usr/local/include
/usr/include
```



Configuration standalone debugger

Path and symbols

Options

Compile NDEBUB

for GNU C and GNU C++ compiler.

Configuration attached debugger

On unix
option -ggdb

makefile.lnx64

```
OPT_CXX_FLAGS      = -ggdb
```