

Forum:[Hack Forums](#)

Thread: [about IncludePath for MinGW-w64 cross-compiler and VSCode](#)

dsp250 - May 9, 2020, 12:43 pm

Hello,

About a year ago I worked successfully with MinGW-w64 cross-compiler and VSCode on Kali Linux. I use C ++. At that time I used MinGW directory: /usr/lib/gcc/x86_64-w64-mingw32/ Now this directory is currently down. To install MinGW64 I use the following command:
apt-get install mingw-w64-common mingw-w64-i686-dev mingw-w64-tools mingw-w64-x86-64-dev
The compiler is now installed in the /usr directory and is not working properly!
Please if anyone knows the solution to this problem share it.
Thanks.

saltycracker - May 10, 2020, 12:56 am

You could elaborate on -> not working properly.

dsp250 - May 10, 2020, 10:26 am

finds header`s but does not find functions.

For example:

```
#include <winsock2.h>    //OK
#include <windows.h>      //OK
#include <ws2tcpip.h>     //OK
#include <stdio.h>        //OK
```

but can't find the functions : for example

```
if (32 >= (int)(ShellExecute(NULL,"open", .....    // No
    GetUserName(returnval, &bufferlen);           // No
    GetComputerName(returnval, &bufferlen);         // No
```

There is my : c_cpp_properties.json

```
{
  "configurations": [
    {
      "name": "Linux",
      "includePath": [
        "/usr/x86_64-w64-mingw32/include",
        "${workspaceFolder}/**"
      ],
      "defines": [],
```

```

    "compilerPath": "/usr/bin/g++",
    "cStandard": "c11",
    "cppStandard": "c++17",
    "intelliSenseMode": "gcc-x64"
  }
],
"version": 4

```

Path to directory : /usr/lib/gcc/x86_64-w64-mingw32 --> now is empty

A year ago, everything was working fine.

After reinstalling Kali Linux something changed ?

HFDone - May 10, 2020, 10:36 am

then copy the new x86_64-w64-mingw32 dir to gcc/x86_64-w64-mingw32

dsp250 - May 10, 2020, 10:47 am

I copied it many times, but without success

saltycracker - May 10, 2020, 1:17 pm

Where do you store your binary(so dll) files for C++?

Shisho - May 11, 2020, 4:41 am

My Mingw executables are located under /usr/bin:

```

Code shisho@gibson:~$ exa -lh /usr/bin | grep "ming"
.rwxr-xr-x  1.0M root 15 Apr 14:25 i686-w64-mingw32-addr2line
.rwxr-xr-x  1.0M root 15 Apr 14:25 i686-w64-mingw32-ar
.rwxr-xr-x  1.8M root 15 Apr 14:25 i686-w64-mingw32-as
lrwxrwxrwx   38 root  3 May 12:15 i686-w64-mingw32-c++ ->
/etc/alternatives/i686-w64-mingw32-c++
.rwxr-xr-x  1.2M root 27 Mar  7:28 i686-w64-mingw32-c++-posix
.rwxr-xr-x  1.2M root 27 Mar  7:28 i686-w64-mingw32-c++-win32
.rwxr-xr-x  1.0M root 15 Apr 14:25 i686-w64-mingw32-c++filt
lrwxrwxrwx   38 root  3 May 12:15 i686-w64-mingw32-cpp ->
/etc/alternatives/i686-w64-mingw32-cpp
.rwxr-xr-x  1.1M root 27 Mar  7:28 i686-w64-mingw32-cpp-posix
.rwxr-xr-x  1.1M root 27 Mar  7:28 i686-w64-mingw32-cpp-win32
.rwxr-xr-x  1.1M root 15 Apr 14:25 i686-w64-mingw32-dlltool
.rwxr-xr-x   51k root 15 Apr 14:25 i686-w64-mingw32-dllwrap
.rwxr-xr-x   39k root 15 Apr 14:25 i686-w64-mingw32-elfedit
lrwxrwxrwx   38 root  3 May 12:15 i686-w64-mingw32-g++ ->
/etc/alternatives/i686-w64-mingw32-g++
.rwxr-xr-x  1.2M root 27 Mar  7:28 i686-w64-mingw32-g++-posix
.rwxr-xr-x  1.2M root 27 Mar  7:28 i686-w64-mingw32-g++-win32
lrwxrwxrwx   38 root  3 May 12:15 i686-w64-mingw32-gcc ->
/etc/alternatives/i686-w64-mingw32-gcc
lrwxrwxrwx   40 root  3 May 12:15 i686-w64-mingw32-gcc-9 ->
/etc/alternatives/i686-w64-mingw32-gcc-9
.rwxr-xr-x  1.1M root 27 Mar  7:28 i686-w64-mingw32-gcc-9.3-posix
.rwxr-xr-x  1.1M root 27 Mar  7:28 i686-w64-mingw32-gcc-9.3-win32
lrwxrwxrwx   41 root  3 May 12:15 i686-w64-mingw32-gcc-ar ->

```

```

/etc/alternatives/i686-w64-mingw32-gcc-ar
.rwxr-xr-x 34k root 27 Mar 7:28 i686-w64-mingw32-gcc-ar-posix
.rwxr-xr-x 34k root 27 Mar 7:28 i686-w64-mingw32-gcc-ar-win32
lrwxrwxrwx 41 root 3 May 12:15 i686-w64-mingw32-gcc-nm ->
/etc/alternatives/i686-w64-mingw32-gcc-nm
.rwxr-xr-x 34k root 27 Mar 7:28 i686-w64-mingw32-gcc-nm-posix
.rwxr-xr-x 34k root 27 Mar 7:28 i686-w64-mingw32-gcc-nm-win32
.rwxr-xr-x 1.1M root 27 Mar 7:28 i686-w64-mingw32-gcc-posix
lrwxrwxrwx 45 root 3 May 12:15 i686-w64-mingw32-gcc-ranlib ->
/etc/alternatives/i686-w64-mingw32-gcc-ranlib
.rwxr-xr-x 34k root 27 Mar 7:28 i686-w64-mingw32-gcc-ranlib-posix
.rwxr-xr-x 34k root 27 Mar 7:28 i686-w64-mingw32-gcc-ranlib-win32
.rwxr-xr-x 1.1M root 27 Mar 7:28 i686-w64-mingw32-gcc-win32
lrwxrwxrwx 39 root 3 May 12:15 i686-w64-mingw32-gcov ->
/etc/alternatives/i686-w64-mingw32-gcov
lrwxrwxrwx 44 root 3 May 12:15 i686-w64-mingw32-gcov-dump ->
/etc/alternatives/i686-w64-mingw32-gcov-dump
.rwxr-xr-x 473k root 27 Mar 7:28 i686-w64-mingw32-gcov-dump-posix
.rwxr-xr-x 473k root 27 Mar 7:28 i686-w64-mingw32-gcov-dump-win32
.rwxr-xr-x 551k root 27 Mar 7:28 i686-w64-mingw32-gcov-posix
lrwxrwxrwx 44 root 3 May 12:15 i686-w64-mingw32-gcov-tool ->
/etc/alternatives/i686-w64-mingw32-gcov-tool
.rwxr-xr-x 494k root 27 Mar 7:28 i686-w64-mingw32-gcov-tool-posix
.rwxr-xr-x 494k root 27 Mar 7:28 i686-w64-mingw32-gcov-tool-win32
.rwxr-xr-x 551k root 27 Mar 7:28 i686-w64-mingw32-gcov-win32
.rwxr-xr-x 1.1M root 15 Apr 14:25 i686-w64-mingw32-gprof
.rwxr-xr-x 1.5M root 15 Apr 14:25 i686-w64-mingw32-ld
lrwxrwxrwx 19 root 15 Apr 14:25 i686-w64-mingw32-ld.bfd -> i686-w64-mingw32-ld
.rwxr-xr-x 1.0M root 15 Apr 14:25 i686-w64-mingw32-nm
.rwxr-xr-x 1.2M root 15 Apr 14:25 i686-w64-mingw32-objcopy
.rwxr-xr-x 2.5M root 15 Apr 14:25 i686-w64-mingw32-objdump
.rwxr-xr-x 1.0M root 15 Apr 14:25 i686-w64-mingw32-ranlib
.rwxr-xr-x 748k root 15 Apr 14:25 i686-w64-mingw32-readelf
.rwxr-xr-x 1.0M root 15 Apr 14:25 i686-w64-mingw32-size
.rwxr-xr-x 1.0M root 15 Apr 14:25 i686-w64-mingw32-strings
.rwxr-xr-x 1.2M root 15 Apr 14:25 i686-w64-mingw32-strip
.rwxr-xr-x 1.0M root 15 Apr 14:25 i686-w64-mingw32-windmc
.rwxr-xr-x 1.1M root 15 Apr 14:25 i686-w64-mingw32-windres
.rwxr-xr-x 1.3M root 15 Apr 14:25 x86_64-w64-mingw32-addr2line
.rwxr-xr-x 1.3M root 15 Apr 14:25 x86_64-w64-mingw32-ar
.rwxr-xr-x 2.0M root 15 Apr 14:25 x86_64-w64-mingw32-as
lrwxrwxrwx 40 root 3 May 12:15 x86_64-w64-mingw32-c++ ->
/etc/alternatives/x86_64-w64-mingw32-c++
.rwxr-xr-x 1.2M root 27 Mar 7:28 x86_64-w64-mingw32-c++-posix
.rwxr-xr-x 1.2M root 27 Mar 7:28 x86_64-w64-mingw32-c++-win32
.rwxr-xr-x 1.2M root 15 Apr 14:25 x86_64-w64-mingw32-c++filt
lrwxrwxrwx 40 root 3 May 12:15 x86_64-w64-mingw32-cpp ->
/etc/alternatives/x86_64-w64-mingw32-cpp
.rwxr-xr-x 1.1M root 27 Mar 7:28 x86_64-w64-mingw32-cpp-posix
.rwxr-xr-x 1.1M root 27 Mar 7:28 x86_64-w64-mingw32-cpp-win32
.rwxr-xr-x 1.3M root 15 Apr 14:25 x86_64-w64-mingw32-dlltool
.rwxr-xr-x 51k root 15 Apr 14:25 x86_64-w64-mingw32-dllwrap
.rwxr-xr-x 39k root 15 Apr 14:25 x86_64-w64-mingw32-elfedit

```

```

lrwxrwxrwx   40 root  3 May 12:15 x86_64-w64-mingw32-g++ ->
/etc/alternatives/x86_64-w64-mingw32-g++
.rwxr-xr-x   1.2M root 27 Mar  7:28 x86_64-w64-mingw32-g++-posix
.rwxr-xr-x   1.2M root 27 Mar  7:28 x86_64-w64-mingw32-g++-win32
lrwxrwxrwx   40 root  3 May 12:15 x86_64-w64-mingw32-gcc ->
/etc/alternatives/x86_64-w64-mingw32-gcc
lrwxrwxrwx   42 root  3 May 12:15 x86_64-w64-mingw32-gcc-9 ->
/etc/alternatives/x86_64-w64-mingw32-gcc-9
.rwxr-xr-x   1.1M root 27 Mar  7:28 x86_64-w64-mingw32-gcc-9.3-posix
.rwxr-xr-x   1.1M root 27 Mar  7:28 x86_64-w64-mingw32-gcc-9.3-win32
lrwxrwxrwx   43 root  3 May 12:15 x86_64-w64-mingw32-gcc-ar ->
/etc/alternatives/x86_64-w64-mingw32-gcc-ar
.rwxr-xr-x   34k root 27 Mar  7:28 x86_64-w64-mingw32-gcc-ar-posix
.rwxr-xr-x   34k root 27 Mar  7:28 x86_64-w64-mingw32-gcc-ar-win32
lrwxrwxrwx   43 root  3 May 12:15 x86_64-w64-mingw32-gcc-nm ->
/etc/alternatives/x86_64-w64-mingw32-gcc-nm
.rwxr-xr-x   34k root 27 Mar  7:28 x86_64-w64-mingw32-gcc-nm-posix
.rwxr-xr-x   34k root 27 Mar  7:28 x86_64-w64-mingw32-gcc-nm-win32
.rwxr-xr-x   1.1M root 27 Mar  7:28 x86_64-w64-mingw32-gcc-posix
lrwxrwxrwx   47 root  3 May 12:15 x86_64-w64-mingw32-gcc-ranlib ->
/etc/alternatives/x86_64-w64-mingw32-gcc-ranlib
.rwxr-xr-x   34k root 27 Mar  7:28 x86_64-w64-mingw32-gcc-ranlib-posix
.rwxr-xr-x   34k root 27 Mar  7:28 x86_64-w64-mingw32-gcc-ranlib-win32
.rwxr-xr-x   1.1M root 27 Mar  7:28 x86_64-w64-mingw32-gcc-win32
lrwxrwxrwx   41 root  3 May 12:15 x86_64-w64-mingw32-gcov ->
/etc/alternatives/x86_64-w64-mingw32-gcov
lrwxrwxrwx   46 root  3 May 12:15 x86_64-w64-mingw32-gcov-dump ->
/etc/alternatives/x86_64-w64-mingw32-gcov-dump
.rwxr-xr-x  473k root 27 Mar  7:28 x86_64-w64-mingw32-gcov-dump-posix
.rwxr-xr-x  473k root 27 Mar  7:28 x86_64-w64-mingw32-gcov-dump-win32
.rwxr-xr-x  551k root 27 Mar  7:28 x86_64-w64-mingw32-gcov-posix
lrwxrwxrwx   46 root  3 May 12:15 x86_64-w64-mingw32-gcov-tool ->
/etc/alternatives/x86_64-w64-mingw32-gcov-tool
.rwxr-xr-x  494k root 27 Mar  7:28 x86_64-w64-mingw32-gcov-tool-posix
.rwxr-xr-x  494k root 27 Mar  7:28 x86_64-w64-mingw32-gcov-tool-win32
.rwxr-xr-x  551k root 27 Mar  7:28 x86_64-w64-mingw32-gcov-win32
.rwxr-xr-x   1.3M root 15 Apr 14:25 x86_64-w64-mingw32-gprof
.rwxr-xr-x   1.8M root 15 Apr 14:25 x86_64-w64-mingw32-ld
lrwxrwxrwx   21 root 15 Apr 14:25 x86_64-w64-mingw32-ld.bfd -> x86_64-w64-mingw32-ld
.rwxr-xr-x   1.3M root 15 Apr 14:25 x86_64-w64-mingw32-nm
.rwxr-xr-x   1.4M root 15 Apr 14:25 x86_64-w64-mingw32-objcopy
.rwxr-xr-x   2.7M root 15 Apr 14:25 x86_64-w64-mingw32-objdump
.rwxr-xr-x   1.3M root 15 Apr 14:25 x86_64-w64-mingw32-ranlib
.rwxr-xr-x  748k root 15 Apr 14:25 x86_64-w64-mingw32-readelf
.rwxr-xr-x   1.2M root 15 Apr 14:25 x86_64-w64-mingw32-size
.rwxr-xr-x   1.3M root 15 Apr 14:25 x86_64-w64-mingw32-strings
.rwxr-xr-x   1.4M root 15 Apr 14:25 x86_64-w64-mingw32-strip
.rwxr-xr-x   1.3M root 15 Apr 14:25 x86_64-w64-mingw32-windmc
.rwxr-xr-x   1.4M root 15 Apr 14:25 x86_64-w64-mingw32-windres

```