Subject: SysInfo and Alpine Linux
Posted by Novo on Sat, 28 Nov 2020 17:31:48 GMT
View Forum Message <> Reply to Message

SysInfo cannot be compiled in Alpine Linux:
/home/buildbot/dvlp/cpp/code/upp/git/bazaar/SysInfo/SysInfo.cpp:1739:3: error: no matching function for call to 'reboot'
        reboot(0xfee1dead, 672274793, 0xCDEF0123);
        ^~~~~~
/usr/include/sys/reboot.h:15:5: note: candidate function not viable: requires 1 argument, but 3 were provided
int reboot(int);
    ^
/home/buildbot/dvlp/cpp/code/upp/git/bazaar/SysInfo/SysInfo.cpp:1749:3: error: no matching function for call to 'reboot'
        reboot(0xfee1dead, 672274793, 0x01234567);
        ^~~~~~
/usr/include/sys/reboot.h:15:5: note: candidate function not viable: requires 1 argument, but 3 were provided
int reboot(int);

The problem is here:
#if __GNU_LIBRARY__ > 5
  reboot(0xCDEF0123);
#else
  reboot(0xfee1dead, 672274793, 0xCDEF0123);
#endif

Alpine Linux is built around musl libc and __GNU_LIBRARY__ is undefined in it.

Subject: Re: SysInfo and Alpine Linux
Posted by koldo on Sat, 28 Nov 2020 20:58:15 GMT
View Forum Message <> Reply to Message

Thank you Novo

I have uploaded a fix. I do not know if Shutdown() function will work in Alpine Linux, but at least I hope it compiles now.

Subject: Re: SysInfo and Alpine Linux
Posted by Novo on Sun, 29 Nov 2020 03:07:04 GMT
View Forum Message <> Reply to Message

koldo wrote on Sat, 28 November 2020 15:58Thank you Novo

I have uploaded a fix. I do not know if Shutdown() function will work in Alpine Linux, but at least I hope it compiles now.
Thanks!
There is another similar place to fix:
 /home/buildbot/dvlp/cpp/code/upp/git/bazaar/SysInfo/SysInfo.cpp:1751:3: error: no matching function for call to 'reboot'   reboot(0xfee1dead, 672274793, 0x01234567);
             ^~~~~~
                   /usr/include/sys/reboot.h:15:5: note: candidate function not viable: requires 1 argument, but 3 were provided   int reboot(int);

Subject: Re: SysInfo and Alpine Linux
Posted by koldo on Mon, 30 Nov 2020 07:14:14 GMT
View Forum Message <> Reply to Message

Oh yes. Fixed.

Subject: Re: SysInfo and Alpine Linux
Posted by Novo on Mon, 30 Nov 2020 12:55:52 GMT
View Forum Message <> Reply to Message

Thanks! Everything is fine now.

Subject: Re: SysInfo and Alpine Linux
Posted by Novo on Mon, 30 Nov 2020 13:06:29 GMT
View Forum Message <> Reply to Message

There is a slightly different problem: it wont compile on Mac:
/Users/ssg/dvlp/cpp/code/upp/git/bazaar/SysInfo/SysInfo_in.h:48:11: fatal error: 'X11/Xlib.h' file not found
     #include <X11/Xlib.h>
          ^~~~~~~~~~~~
1 error generated.

I believe it is supposed to compile on Mac because I see this:
#ifndef PLATFORM_OSX
 #include <sys/vfs.h>
#endif

Subject: Re: SysInfo and Alpine Linux
Posted by koldo on Mon, 30 Nov 2020 13:21:05 GMT

Novo wrote on Mon, 30 November 2020 14:06There is a slightly different problem: it wont compile on Mac:
/Users/ssg/dvlp/cpp/code/upp/git/bazaar/SysInfo/SysInfo_in.h:48:11: fatal error: 'X11/Xlib.h' file not found
     #include <X11/Xlib.h>
          ^~~~~~~~~~~~
1 error generated.

I believe it is supposed to compile on Mac because I see this:
#ifndef PLATFORM_OSX
 #include <sys/vfs.h>
#endif

I cannot answer. AFAIK SysInfo has never been tested in Mac.

EDIT: If you may confirm that it does not compile in Mac, I will add an explicit error message.
Thank you.

Subject: Re: SysInfo and Alpine Linux
Posted by Novo on Mon, 30 Nov 2020 14:57:44 GMT

It doesn't compile on Mac at this time.
X11/Xlib.h is not available on Mac.

Subject: Re: SysInfo and Alpine Linux
Posted by Novo on Mon, 30 Nov 2020 16:12:18 GMT

BTW, I'm compiling for Mac on Linux ...

Subject: Re: SysInfo and Alpine Linux
Posted by koldo on Mon, 30 Nov 2020 18:05:15 GMT

Thank you Novo.
I have added this:
#ifdef PLATFORM_OSX
 #error SysInfo does not support OSX
#endif

Subject: Re: SysInfo and Alpine Linux
Posted by Novo on Mon, 30 Nov 2020 18:31:12 GMT

View Forum Message <> Reply to Message

Thanks a lot!