
Subject: SysInfo and Alpine Linux
Posted by [Novo](#) on Sat, 28 Nov 2020 17:31:48 GMT
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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
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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
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koldo wrote on Sat, 28 November 2020 15:58 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.

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(0xfe1dead,
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
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Oh yes. Fixed.

Subject: Re: SysInfo and Alpine Linux
Posted by [Novo](#) on Mon, 30 Nov 2020 12:55:52 GMT
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Thanks! Everything is fine now.

Subject: Re: SysInfo and Alpine Linux
Posted by [Novo](#) on Mon, 30 Nov 2020 13:06:29 GMT
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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
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Novo wrote on Mon, 30 November 2020 14:06: There is a slightly different problem: it won't 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
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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
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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
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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
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Thanks a lot!
