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Subject: problem with sysinfo

Posted by [BioBytes](#) on Mon, 15 Sep 2014 20:01:50 GMT

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hello guys,

This seems to be a problem with call of inet\_ntop function of w2\_s32.dll library in SysInfo package. The following error :( (no entry point for inet\_ntop function in w2\_s32.dll) when compiling Under WinXP.

After little googling, it appears that inet\_ntop cannot be called Under WinXP but only starting with Vista.

inet\_ntop function is called at several different points in sysinfo.cpp file (lines 260, 269, 450, 452, 667 & 670). No specific testing of Win version is included and therefore the compiled project cannot run properly Under WinXP.

Hope this could help to solve this issue

Regards  
Biobytess

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Subject: Re: problem with sysinfo

Posted by [koldo](#) on Tue, 16 Sep 2014 07:41:54 GMT

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Thank you BioBytes

Looking for another solution... :roll:

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Subject: Re: problem with sysinfo

Posted by [koldo](#) on Wed, 17 Sep 2014 06:11:40 GMT

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Hello BioBytes

There is a new version that should solve your problem.

Unfortunately I have not found any reliable way to overcome the lack of inet\_ntop in XP, so that the functions only return IP4 addresses in XP.

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Subject: Re: problem with sysinfo

Posted by [BioBytes](#) on Thu, 18 Sep 2014 19:26:38 GMT

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Hello Koldo,

Thank you for patching in SVN 7697 and your effort to solve this issue. Sorry :( to say that I have still the error message box "no entry point of inet\_ntop function in w2\_s32.dll when compiling Sysinfo\_demo\_gui of Bazaar package. The computer on which I get this error is running WinXP pack service 2 and compiler is MSC9. No problem at all on my laptop running Under Win 7 and compiler MSC11.

I am not a specialist of IP management and internet features coding in C++ but I noticed that there still some call to inet\_ntop in sysinfo.cpp without checking the Win version (see lines 697 & 692 in `Array<NetAdapter> GetAdapterInfo()` function).

Hope this could be helpful

Thanks again :)

Regards

Biobytess

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Subject: Re: problem with sysinfo

Posted by [koldo](#) on Fri, 19 Sep 2014 06:27:58 GMT

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Hello BioBytes

I am surprised. The `inet_ntop` calls you have found are in an area only devoted to Linux.

Could you debug the code to find in what line exactly the error appears?

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Subject: Re: problem with sysinfo

Posted by [BioBytes](#) on Fri, 19 Sep 2014 19:38:11 GMT

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Hello Koldo,

Thank you for your reply and explanation on code lines 697 & 692 in `Array<NetAdapter> GetAdapterInfo()` function.

Unfortunately, I have access to the XP computer only during the working days in my office. During the week-end, I use UPP on my personal laptop which is running Win 7 and there is no entry error in `Ws2_32.dll` with call to `inet_ntop` function Under Win 7.

So I will try to see if I can identify the issue starting next Monday. :p

Do you have similar reports from other users ?

Regards

Biobytess

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Subject: Re: problem with sysinfo

Posted by [koldo](#) on Mon, 22 Sep 2014 08:41:02 GMT

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Hello BioBytes

There are no more feedback. However sometimes the people is shy :p or so busy that they have no time to post.

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Subject: Re: problem with sysinfo

Posted by [BioBytes](#) on Mon, 22 Sep 2014 19:40:53 GMT

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Hi Koldo,

First many thanks for considering this issue. :p

Some information about the computer used in my office : Win XP pro including Service pack 2 and UPP 7697.

I tried to add SysInfo package to a project showing basic use of GridCtrl: Compilation using MSC9 ends with the messagebox indicating no entry point of inet\_ntop can be found in ws2\_32.dll. If I delete the SysInfo package, no error occurs.

I tried to debug the project (including SysInfo) in the IDE and I got the following errors (message 1 then message 2) on the screen :? :

1- Exception C000139 at 7C974ED1.

2- Exception C000001D at 8F14A8 Exception Illegal Instruction.

I have attached a pdf file showing screen captures.

I am afraid not to have sufficient skill to find where is the problem but when I put a call to inet\_ntop function in comments (disabling only the code lines 270 & 283) in SysInfo.cpp, the errors disappear (!). So

I keep on investigation to give you more info

Regards

Biobytess

File Attachments

1) [Error-Debug.pdf](#), downloaded 654 times

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Subject: Re: problem with sysinfo

Posted by [koldo](#) on Wed, 24 Sep 2014 10:11:59 GMT

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Hello BioBytes

Thank you for your research. I see the source of the problem: SysInfo loads statically inet\_ntop so you get a compiler error. I will try to load it dynamically.

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Subject: Re: problem with sysinfo

Posted by [BioBytes](#) on Wed, 24 Sep 2014 19:44:12 GMT

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Hello Koldo,

Thanks for your post. I think you got the tip.

Waiting for your patch.

Thanks again for your support :)

Regards

Biobytess

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Subject: Re: problem with sysinfo

Posted by [koldo](#) on Fri, 26 Sep 2014 21:10:13 GMT

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Hello BioBytes

New version is uploaded. Finally it has been impossible to use original inet\_ntop function due to a strange stack overflow error. Finally inet\_ntop source is included and seems to work very well. It comes from an old BIND version with a BSD like license.

Please check it. Thank you.

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Subject: Re: problem with sysinfo  
Posted by [BioBytes](#) on Mon, 29 Sep 2014 12:06:04 GMT  
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Hello Koldo,

Just having downloaded UPP svn 7740 including your last patch and it works perfectly under Win XP service pack 2 machines here in office using MSC9 compiler. :)

Thanks a lot and congratulations to have solved this issue. :thumbup:

Kind regards

Biobytess

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Subject: Re: problem with sysinfo  
Posted by [koldo](#) on Tue, 30 Sep 2014 15:19:10 GMT  
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Subject: Re: problem with sysinfo  
Posted by [Oblivion](#) on Thu, 11 Dec 2014 17:15:14 GMT  
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koldo wrote on Wed, 17 September 2014 09:11Hello BioBytes

There is a new version that should solve your problem.

Unfortunately I have not found any reliable way to overcome the lack of inet\_ntop in XP, so that the functions only return IP4 addresses in XP.

Hello Koldo,

I know this is somewhat an old news, and you probably already considered this, but, FYI (or for anyone who encounter the same problem), there is a function called WSAAddressToString() implemented from Windows XP SP1 and on. It is the same as inet\_ntop and can handle both IPv4 and IPV6 (if IPv6 stack is installed).

Regards,  
Oblivion.

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Subject: Re: problem with sysinfo  
Posted by [koldo](#) on Thu, 11 Dec 2014 20:14:05 GMT  
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Thank you Oblivion :)

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