

Ruby - Bug #12644

Support debug build on Windows with MSVC

08/01/2016 06:27 PM - davispuh (Dāvis Mosāns)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.4.0dev (2016-08-01 trunk 55789) [x64-mingw32]	Backport: 2.1: DONTNEED, 2.2: DONTNEED, 2.3: DONTNEED
Description When building debug build with MSVC (-MDd flag) then it will be linked to ucrtbased.dll where _isatty function obviously differs. I've attached a patch which fixes this so that __pioinfo will be found for both debug and non-debug builds (x86 and x64) Anyway I really really don't like this and I think Ruby should keep it's own fd <=> handle mapping and not use this hack, but for now this works until _isatty changes.		
Related issues: Related to Ruby - Bug #14623: backport r54737, r54740 and r55792		
		Closed

Associated revisions

Revision 441cbf59f5d80490703619f0dd7a801584a1fa3a - 08/01/2016 07:12 PM - U.Nakamura

- win32/win32.c (set_pioinfo_extra): use more reliable way to search the position of pioinfo of VC14, and also support debug library of it. patched by davispuh AT gmail.com [ruby-core:76644] [Bug #12644] this fixes also [Bug #12631]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@55792 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 441cbf59 - 08/01/2016 07:12 PM - U.Nakamura

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Revision 85ddcb935791939d107cf11db7b3839f82b95cb0 - 03/22/2018 02:28 AM - U.Nakamura

merge revision(s) 54737,54740,55792: [Backport #14623]

Support MSVC14 and 15 [Bug #11118]

Search _pioinfo which is not exported after MSVC14. [Bug #12014] [GH-884]

win32.c: suppress warnings

* win32/win32.c (set_pioinfo_extra): remove "/*" within comment.
* win32/win32.c (set_pioinfo_extra): use more reliable way to search the position of pioinfo of VC14, and also support debug library of it. patched by davispuh AT gmail.com [ruby-core:76644] [Bug #12644] this fixes also [Bug #12631]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@62884 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 85ddcb93 - 03/22/2018 02:28 AM - U.Nakamura

merge revision(s) 54737,54740,55792: [Backport #14623]

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Support MSVC14 and 15 [Bug #11118]
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[Bug #12014] [GH-884]
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  this fixes also [Bug #12631]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@62884 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 08/01/2016 07:12 PM - usa (Usaku NAKAMURA)

- Status changed from Open to Closed

Applied in changeset r55792.

- win32/win32.c (set_pioinfo_extra): use more reliable way to search the position of pioinfo of VC14, and also support debug library of it. patched by davispuh AT gmail.com [\[ruby-core:76644\]](#) [Bug #12644] this fixes also [Bug #12631]

#2 - 08/01/2016 07:13 PM - usa (Usaku NAKAMURA)

Great work! Thank you!

#3 - 08/04/2016 08:04 AM - usa (Usaku NAKAMURA)

- Backport changed from 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN to 2.1: DONTNEED, 2.2: DONTNEED, 2.3: DONTNEED

#4 - 09/19/2017 07:19 AM - rocifier (Ryan O'Connor)

davispuh (Dāvis Mosāns) wrote:

When building debug build with MSVC (-MDd flag) then it will be linked to ucrtbased.dll where _isatty function obviously differs.

I've attached a patch which fixes this so that __pioinfo will be found for both debug and non-debug builds (x86 and x64)

Anyway I really really don't like this and I think Ruby should keep it's own fd <=> handle mapping and not use this hack, but for now this works until _isatty changes.

I'm running into a similar issue to this trying to build with VS2015. I am seeing this error unexpected ucrtbased.dll appearing when my debug (MDd) build runs miniruby.exe

Where can I find the exact version of this dll required by this assembly language code?

EDIT: I got it working, please see the separate issue I opened here for the answer: <https://bugs.ruby-lang.org/issues/13920>

#5 - 09/20/2017 06:21 PM - davispuh (Dāvis Mosāns)

Most likely your ucrtbased.dll differs in such way that can't locate that structure, so either need to update implementation to work for it (you'll need to look at disassembly)

or you will need to compile with probably older version of MSVC 2015 which worked.

#6 - 03/22/2018 01:30 AM - usa (Usaku NAKAMURA)

- Related to Bug #14623: backport r54737, r54740 and r55792 added

Files

0001-Support-debug-build-on-Windows-with-MSVC.patch	4.04 KB	08/01/2016	davispuh (Dāvis Mosāns)
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