

Ruby - Bug #21327

Windows builds seem broken after clock_gettime changes?

05/10/2025 10:01 PM - zenspider (Ryan Davis)

Status:	Closed	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:		
ruby -v:		Backport: 3.2: DONE, 3.3: DONE, 3.4: DONE
Description		
https://github.com/ruby/ruby/actions/workflows/windows.yml		
not sure how stable windows normally is, but this looks consistent since this commit (5855986)		
Assigning to nobu to investigate.		

Associated revisions

Revision 65e02ab1 - 05/14/2025 12:18 AM - k0kubun (Takashi Kokubun)

merge revision(s) 3e47e7a499acd256be549935fcb559d3c82e556c, b48b841378f80e16378ceb83f3b78e52df9ae023, 2fe8b9cd3d308d754f3d33a948dfb1dd782a10dc: [Backport #21327]

```
Fix redefinition of `clock_gettime` and `clock_getres`

winpthreads-git 12.0.0.r720 provides `clock_gettime` and
`clock_getres` as inline functions.

digest.so needs ruby/digest.h which is installed by build-ext

Copy to path with the base name
```

Revision 551c444f - 05/18/2025 03:00 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) b48b841378f80e16378ceb83f3b78e52df9ae023, 2fe8b9cd3d308d754f3d33a948dfb1dd782a10dc: [Backport #21327]

```
digest.so needs ruby/digest.h which is installed by build-ext

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```

History

#1 - 05/12/2025 11:16 PM - hsb (Hiroshi SHIBATA)

- Status changed from Open to Assigned

#2 - 05/13/2025 12:59 AM - hsb (Hiroshi SHIBATA)

It's fixed at <https://github.com/ruby/ruby/pull/13302>

But cross build is still broken.

- <https://rubyci.s3.amazonaws.com/crossruby/crossruby-master-mingw32/log/20250513T000922Z.fail.html.gz>
- <https://rubyci.s3.amazonaws.com/crossruby/crossruby-master-mingw64/log/20250513T001405Z.fail.html.gz>

#3 - 05/13/2025 06:02 PM - MSP-Greg (Greg L)

I just tested this with the ruby_3_4 branch. It's failing with:

```
../ruby/win32/win32.c:4795:1: error: redefinition of 'clock_gettime'
4795 | clock_gettime(clockid_t clock_id, struct timespec *sp)
      | ^~~~~~
In file included from C:/msys64/ucrt64/include/time.h:323,
                 from C:/msys64/ucrt64/include/iptypes.h:16,
                 from C:/msys64/ucrt64/include/iphlpapi.h:17,
                 from ../ruby/include/ruby/win32.h:40,
                 from ../ruby/include/ruby/internal/dosish.h:38,
                 from ../ruby/include/ruby/defines.h:78,
                 from ../ruby/include/ruby/ruby.h:25,
```

```

        from ../ruby/win32/win32.c:24:
C:/msys64/ucrt64/include/pthread_time.h:111:35: note: previous definition of 'clock_gettime' with type 'int(clockid_t, struct timespec *)' {aka 'int(int, struct timespec *)'}
  111 | WINPTHREAD_CLOCK_DECL int __cdecl clock_gettime(clockid_t clock_id, struct timespec *tp)
      |                                     ^~~~~~
../ruby/win32/win32.c:4835:1: error: redefinition of 'clock_getres'
4835 | clock_getres(clockid_t clock_id, struct timespec *sp)
      | ^~~~~~
C:/msys64/ucrt64/include/pthread_time.h:100:35: note: previous definition of 'clock_getres' with type 'int(clockid_t, struct timespec *)' {aka 'int(int, struct timespec *)'}
  100 | WINPTHREAD_CLOCK_DECL int __cdecl clock_getres(clockid_t clock_id, struct timespec *res)

```

Can this be backported to 3.4, 3.3, & 3.2, similar to the gcc 15 fix?

#4 - 05/13/2025 08:07 PM - k0kubun (Takashi Kokubun)

- Backport changed from 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: UNKNOWN to 3.2: REQUIRED, 3.3: REQUIRED, 3.4: REQUIRED

#5 - 05/14/2025 12:19 AM - k0kubun (Takashi Kokubun)

- Status changed from Assigned to Closed

Applied in changeset [git|65e02ab1a6e4482f417ec1d1cb4453958ad36ca3](https://github.com/ruby/ruby/commit/65e02ab1a6e4482f417ec1d1cb4453958ad36ca3).

merge revision(s) 3e47e7a499acd256be549935fcb559d3c82e556c, b48b841378f80e16378ceb83f3b78e52df9ae023, 2fe8b9cd3d308d754f3d33a948dfb1dd782a10dc: [Backport [#21327](#)]

Fix redefinition of `clock\_gettime` and `clock\_getres`

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#6 - 05/14/2025 12:19 AM - k0kubun (Takashi Kokubun)

- Backport changed from 3.2: REQUIRED, 3.3: REQUIRED, 3.4: REQUIRED to 3.2: REQUIRED, 3.3: REQUIRED, 3.4: DONE

ruby_3_4 [65e02ab1a6e4482f417ec1d1cb4453958ad36ca3](https://github.com/ruby/ruby/commit/65e02ab1a6e4482f417ec1d1cb4453958ad36ca3) merged revision(s) [3e47e7a499acd256be549935fcb559d3c82e556c](https://github.com/ruby/ruby/commit/3e47e7a499acd256be549935fcb559d3c82e556c), [b48b841378f80e16378ceb83f3b78e52df9ae023](https://github.com/ruby/ruby/commit/b48b841378f80e16378ceb83f3b78e52df9ae023), [2fe8b9cd3d308d754f3d33a948dfb1dd782a10dc](https://github.com/ruby/ruby/commit/2fe8b9cd3d308d754f3d33a948dfb1dd782a10dc).

#7 - 05/18/2025 02:28 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 3.2: REQUIRED, 3.3: REQUIRED, 3.4: DONE to 3.2: REQUIRED, 3.3: DONE, 3.4: DONE

ruby_3_3 a3adc05a4e1f5c5d1cd95eee92da9693b23360bf merge revision(s) 3e47e7a499acd256be549935fcb559d3c82e556c, 46e4c8673747de96838d2c5dec37446d23d99d88

#8 - 07/24/2025 04:18 AM - hsbt (Hiroshi SHIBATA)

- Backport changed from 3.2: REQUIRED, 3.3: DONE, 3.4: DONE to 3.2: DONE, 3.3: DONE, 3.4: DONE

Merged at <https://github.com/ruby/ruby/commit/d946d65cea2468086932bb95d77ac2f93b9f67b9> for Ruby 3.2