

## Ruby master - Bug #9878

### ruby\_signal() should return either sa\_sigaction or sa\_handler, depending on SA\_SIGINFO

05/29/2014 09:52 AM - ReiOdaira (Rei Odaira)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b> ruby 2.2.0dev (2014-05-29 trunk 46222) [x86_64-linux]	<b>Backport:</b> 2.0.0: DONE, 2.1: DONE
<b>Description</b> ruby_signal() in signal.c returns old.sa_handler, but it should return either old.sa_sigaction or old.sa_handler, depending on whether SA_SIGINFO is set in old.sa_flags.  --- signal.c (revision 46222) +++ signal.c (working copy) @@ -595,7 +595,10 @@ +         rb_bug_errno("sigaction", errno); +     } + } -     return old.sa_handler; +     if (old.sa_flags & SA_SIGINFO) +         return (sighandler_t)old.sa_sigaction; +     else +         return old.sa_handler; + }  sighandler_t  The original code happens to be correct on the environments where sa_handler and sa_sigaction are union, but it is not guaranteed in general.  (Actually, they are not union on z/OS.)	

#### Associated revisions

##### Revision fad56622 - 05/29/2014 02:27 PM - nobu (Nobuyoshi Nakada)

signal.c: return proper member

- signal.c (ruby\_signal): should return either old.sa\_sigaction or old.sa\_handler, depending on whether SA\_SIGINFO is set in old.sa\_flags, because they may not be a union. [ruby-core:62836] [Bug #9878]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@46233 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 46233 - 05/29/2014 02:27 PM - nobu (Nobuyoshi Nakada)

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**Revision 6491028d - 06/27/2014 08:55 AM - usa (Usaku NAKAMURA)**

merge revision(s) 46233: [Backport #9878]

```
* signal.c (ruby_signal): should return either `old.sa_sigaction`  
or `old.sa_handler`, depending on whether `SA_SIGINFO` is set in  
`old.sa_flags`, because they may not be a union.  
[ruby-core:62836] [Bug #9878]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_0\_0@46583 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 46583 - 06/27/2014 08:55 AM - usa (Usaku NAKAMURA)**

merge revision(s) 46233: [Backport #9878]

```
* signal.c (ruby_signal): should return either `old.sa_sigaction`  
or `old.sa_handler`, depending on whether `SA_SIGINFO` is set in  
`old.sa_flags`, because they may not be a union.  
[ruby-core:62836] [Bug #9878]
```

**Revision d681d9ce - 06/29/2014 05:56 PM - nagachika (Tomoyuki Chikanaga)**

merge revision(s) r46233: [Backport #9878]

```
* signal.c (ruby_signal): should return either `old.sa_sigaction`  
or `old.sa_handler`, depending on whether `SA_SIGINFO` is set in  
`old.sa_flags`, because they may not be a union.  
[ruby-core:62836] [Bug #9878]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_1@46616 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 46616 - 06/29/2014 05:56 PM - nagachika (Tomoyuki Chikanaga)**

merge revision(s) r46233: [Backport #9878]

```
* signal.c (ruby_signal): should return either `old.sa_sigaction`  
or `old.sa_handler`, depending on whether `SA_SIGINFO` is set in  
`old.sa_flags`, because they may not be a union.  
[ruby-core:62836] [Bug #9878]
```

## History

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**#1 - 05/29/2014 02:28 PM - nobu (Nobuyoshi Nakada)**

- Status changed from Open to Closed

- % Done changed from 0 to 100

Applied in changeset r46233.

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signal.c: return proper member

- signal.c (ruby\_signal): should return either old.sa\_sigaction or old.sa\_handler, depending on whether SA\_SIGINFO is set in old.sa\_flags, because they may not be a union. [ruby-core:62836] [Bug [#9878](#)]

**#2 - 05/29/2014 02:32 PM - nobu (Nobuyoshi Nakada)**

- Description updated

**#3 - 05/29/2014 02:33 PM - nobu (Nobuyoshi Nakada)**

- Backport changed from 2.0.0: UNKNOWN, 2.1: UNKNOWN to 2.0.0: REQUIRED, 2.1: REQUIRED

**#4 - 06/27/2014 08:55 AM - usa (Usaku NAKAMURA)**

- Backport changed from 2.0.0: REQUIRED, 2.1: REQUIRED to 2.0.0: DONE, 2.1: REQUIRED

backported into ruby\_2\_0\_0 at r46583.

**#5 - 06/29/2014 05:56 PM - nagachika (Tomoyuki Chikanaga)**

- Backport changed from 2.0.0: DONE, 2.1: REQUIRED to 2.0.0: DONE, 2.1: DONE

Backported into ruby\_2\_1 at r46616.