Ruby master - Bug #7474

I am getting undefined symbol: rb_enable_interrupt when running event machine

11/30/2012 10:28 AM - sam.saffron (Sam Saffron)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Rejected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>kosaki (Motohiro KOSAKI)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>2.0</td>
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</tbody>
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Description
I would like to cross report
https://github.com/eventmachine/eventmachine/issues/389

Clearly this breakage could be "on purpose" not sure who should be fixing it.

History

#1 - 12/21/2012 09:20 PM - nobu (Nobuyoshi Nakada)
- Category set to core
- Status changed from Open to Assigned
- Assignee set to kosaki (Motohiro KOSAKI)

It's been static since r32510.
I'm not sure if it is a part of public API.

#2 - 12/22/2012 01:14 AM - kosaki (Motohiro KOSAKI)
- Status changed from Assigned to Feedback

It's been static since r32510.
I'm not sure if it is a part of public API.

vm_core.h is definitely internal api place.
Moreover rb_disable_interrupt() is wrong api and we may be removed later.
There are two problems:

1) rb_disable_interrupt()

   ..

   rb_enable_interrupt()

   is expand to

   sigfillset(&mask);
   pthread_sigmask(SIG_SETMASK, &mask, NULL);

   ...  

   sigemptyset(&mask);
   pthread_sigmask(SIG_SETMASK, &mask, NULL);

   See? rb_enable_interrupt() ignore old sigmask and set signal mask to empty.

2) thread unsafe

   pthread_sigmask() only change current thread sigmask. then other thread still be able to
   be interrupted by signal. then, this api only work single thread context. MRI only use this
   api when process creation time.

So, I have a question. Why do event machine need rb_disable_interrupt()? If I understand correctly,
event machine don't have single thread guarantee.

#3 - 01/30/2013 06:30 AM - kosaki (Motohiro KOSAKI)
- Status changed from Feedback to Rejected

No response. I'll close this then.