

Backport193 - Backport #5218

at_exit bug with exception handling

08/23/2011 11:50 PM - ebeigarts (Edgars Beigarts)

Status:	Closed
Priority:	Normal
Assignee:	usa (Usaku NAKAMURA)
Description	
It seems that ruby 1.9.2 and later doesn't like exception handling in at_exit blocks and resets the exit code to 0.	
Here is an example:	
<pre>#!/usr/bin/ruby at_exit do raise "X" rescue nil end at_exit do nil end at_exit do exit 1 end at_exit do exit 2 end</pre>	
Results:	
<pre>### ruby 1.9.4dev (2011-08-23 trunk 33027) [x86_64-darwin10.8.0] \$ ruby at_exit.rb ; echo \$? 0 ### ruby 1.9.3dev (2011-07-31 revision 32789) [x86_64-darwin10.8.0] \$ ruby at_exit.rb ; echo \$? 0 ### ruby 1.9.2p290 (2011-07-09 revision 32553) [x86_64-darwin10.8.0] \$ ruby at_exit.rb ; echo \$? 0 ### ruby 1.8.7 (2011-06-30 patchlevel 352) [i686-darwin10.8.0] \$ ruby at_exit.rb ; echo \$? 1 ### jruby 1.6.3 (ruby-1.8.7-p330) (2011-07-07 965162f) (Java HotSpot(TM) 64-Bit Server VM 1.6.0_26) [darwin-x86_64-java] \$ jruby at_exit.rb ; echo \$? 1 ### jruby 1.6.3 (ruby-1.9.2-p136) (2011-07-07 965162f) (Java HotSpot(TM) 64-Bit Server VM 1.6.0_26) [darwin-x86_64-java] \$ jruby --1.9 at_exit.rb ; echo \$? 1</pre>	

Related issues:

<https://github.com/jnicklas/capybara/pull/463>

<https://github.com/jnicklas/capybara/issues/178>

<https://github.com/rspec/rspec-core/pull/410>

Associated revisions

Revision b19f3a8a - 03/12/2012 01:13 AM - nobu (Nobuyoshi Nakada)

- `eval_jump.c (rb_exec_end_proc)`: remember the latest exit status. [ruby-core:43173][Bug #5218]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34982 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 34982 - 03/12/2012 01:13 AM - nobu (Nobuyoshi Nakada)

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Revision 18488c11 - 02/22/2013 05:28 AM - usa (Usaku NAKAMURA)

merge revision(s) 34982: [Backport #5218]

```
* eval_jump.c (rb_exec_end_proc): remember the latest exit status.  
[ruby-core:43173] [Bug #5218]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@39378 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 39378 - 02/22/2013 05:28 AM - usa (Usaku NAKAMURA)

merge revision(s) 34982: [Backport #5218]

```
* eval_jump.c (rb_exec_end_proc): remember the latest exit status.  
[ruby-core:43173] [Bug #5218]
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History

#1 - 08/24/2011 04:22 PM - ebeigarts (Edgars Beigarts)

To fix this I came up with this workaround:

```
if defined?(RUBY_ENGINE) && RUBY_ENGINE == "ruby" && RUBY_VERSION >= "1.9"  
  module Kernel  
    alias :__at_exit :at_exit  
    def at_exit(&block)  
      __at_exit do  
        exit_status = $!.status if $!.is_a?(SystemExit)  
        block.call  
        exit exit_status if exit_status  
      end  
    end  
  end  
end
```

end
end
end
end

#2 - 03/11/2012 03:18 PM - ko1 (Koichi Sasada)

- Status changed from Open to Assigned
- Assignee set to nobu (Nobuyoshi Nakada)

#3 - 03/12/2012 10:13 AM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r34982.
Edgars, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

-
- eval_jump.c (rb_exec_end_proc): remember the latest exit status. [ruby-core:43173][Bug [#5218](#)]

#4 - 11/29/2012 08:45 PM - rubiii (Daniel Harrington)

Hi guys,

thank you for this fix!
Any information about when it's going to be released?

Cheers,
Daniel

#5 - 02/19/2013 09:17 PM - mdemare (Michiel de Mare)

So what happened to the changeset? It's still broken in 1.9.3-p385.

#6 - 02/19/2013 09:31 PM - nobu (Nobuyoshi Nakada)

- Tracker changed from Bug to Backport
- Project changed from Ruby master to Backport193
- Status changed from Closed to Assigned
- Assignee changed from nobu (Nobuyoshi Nakada) to usa (Usaku NAKAMURA)

#7 - 02/22/2013 02:28 PM - usa (Usaku NAKAMURA)

- Status changed from Assigned to Closed

This issue was solved with changeset [r39378](#).
Edgars, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

merge revision(s) 34982: [Backport [#5218](#)]

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* eval_jump.c (rb_exec_end_proc): remember the latest exit status.  
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