Ruby - Bug #5217

lineno is broken when source code has about 7000 lines

08/23/2011 11:42 PM - mame (Yusuke Endoh)

Status:	Closed		
Priority:	Normal		
Assignee:	ko1 (Koichi Sasada)		
Target version:			
ruby -v:	-	**Backport:**	

Description

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asakusa.rb □□□□□□□□□□ (□□□□□□□□□□) □soap4r □
simplecov □□□□□□□□ [BUG] bug □□□□□□□□

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$ ruby -e 'puts "p\n" * 7000; puts "p([1"; puts "])"' > t.rb

$ cat t.rb
p
p
p

... 7000 □ □ □ p ...

p
p

$ ./ruby -rcoverage -e 'Coverage.start; load "t.rb"'

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(rb_bug("bug") □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□)
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diff --git a/thread.c b/thread.c
index 6970d8f..57a6962 100644
--- a/thread.c
+++ b/thread.c
@@ -4764,7 +4764,7 @@ update_coverage(rb_event_flag_t event, VALUE proc, VALUE self, ID id, VALUE klas
long line = rb_sourceline() - 1;
long count;
if (RARRAY_PTR(coverage)[line] == Qnil) {

- [redacted]

- [redacted]

  }
  count = FIX2LONG(RARRAY_PTR(coverage)[line]) + 1;
  if (POSFIXABLE(count)) {

□□□□□□□□□□□□□□iseq □□□□□□□□□□□□□□ unsigned short
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□□□ coverage □□□□□□

set_trace_func(proc {|type, file, line,| p line if type == "line" })
p
p
p

... 7000 □ □ □ p ...

p
p
p

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diff --git a/iseq.h b/iseq.h
index beeacbb..9c19501 100644
--- a/iseq.h
+++ b/iseq.h
@@ -44,9 +44,9 @@ struct rb_compile_option_struct {
};

struct iseq_insn_info_entry {

- unsigned short position;
- unsigned short line_no;
- unsigned short sp;

- unsigned long position;
- unsigned long line_no;
- unsigned long sp;
  };

struct iseq_catch_table_entry {

--
Yuskue Endoh mame@tsg.ne.jp

Associated revisions

Revision 7049d9c8 - 08/24/2011 06:31 AM - ko1 (Koichi Sasada)

- iseq.h, iseq.c, compile.c: Change the line number data structure
  to solve an issue reported at [ruby-dev:44413] [Ruby 1.9 - Bug #5217].
  Before this fix, each instruction has an information including
  line number (iseq::iseq_insn_info_table). Instead of this data

structure, recording only line number changing places
(iseq::iseq_line_info_table).
The order of entries in iseq_line_info_table is ascending order of
iseq_line_info_table_entry::position. You can get a line number
by an iseq and a program counter with this data structure.
This fix reduces memory consumption of iseq (bytecode).
On my measurement, a rails application consumes 21.8MB for
iseq with this fix on the 32bit CPU. Without this fix, it
consumes 24.7MB for iseq [ruby-dev:44415].

- proc.c: ditto.
- vm_insnhelper.c: ditto.
- vm_method.c: ditto.
- vm.c (rb_vm_get_sourceline): change to use rb_iseq_line_no().

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@33046 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 08/23/2011 11:43 PM - mame (Yusuke Endoh)

- Assignee set to ko1 (Koichi Sasada)

#2 - 08/24/2011 07:23 AM - ko1 (Koichi Sasada)

- ruby -v changed from ruby 1.9.4dev (2011-08-23 trunk 33019) [i686-linux] to -

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(2011/08/23 7:43), Yusuke Endoh wrote:

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□□□ (*1)□
□□□□24,699,850 B□□ 24.7MB□
□□□□21,835,244 B□□ 21.8MB□
□□□□□□□□32bit □□□□: ruby 1.9.4dev (2011-08-22 trunk 33022)
[i686-linux]□

*1: objspace □□□□□□□□□□□□□□□□□

```
    require 'objspace'
    p ObjectSpace.memsize_of_all(RubyVM::InstructionSequence)
    exit!
```

```
□□□□rack-*/lib/rack/handler/webrick.rb □ self.run
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```

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http://www.atdot.net/sp/view/wpheql/readonly?lang=diff

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--
// SASADA Koichi at atdot dot net

#3 - 08/24/2011 10:08 AM - nahi (Hiroshi Nakamura)

Koichi Sasada wrote:

> □□□□□□□□□□□□□ IRC □□□□□□□□□□□□□□□□□□□□□□□□□

> [illegible]

[illegible]

> [illegible]
> http://www.atdot.net/sp/view/wpheql/readonly?lang=diff
>
> [illegible]trunk [illegible]
> [illegible]

[illegible]

#4 - 08/24/2011 12:53 PM - mame (Yusuke Endoh)

[illegible]

2011[illegible]8[illegible]24[illegible]10:08 Hiroshi Nakamura nakahiro@gmail.com:

> Koichi Sasada wrote:
>
> > [illegible] IRC [illegible]
> > [illegible]
>
> [illegible]

[illegible]

> > [illegible]
> > http://www.atdot.net/sp/view/wpheql/readonly?lang=diff
> >
> > [illegible]trunk [illegible]
> > [illegible]

trunk [illegible]
1.9.3 [illegible]

> [illegible]

[illegible] ([BUG] bug) [illegible]trunk [illegible]
[illegible] (r33030) [illegible]
[illegible] [BUG] [illegible]

Yugui [illegible] (r33030) [illegible] 1.9.3 [illegible]

--
Yusuke Endoh mame@tsg.ne.jp

#5 - 08/24/2011 01:53 PM - ko1 (Koichi Sasada)

(2011/08/23 20:43), Yusuke ENDOH wrote:

> [illegible]

[illegible]

--
// SASADA Koichi at atdot dot net

#6 - 08/24/2011 03:31 PM - ko1 (Koichi Sasada)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r33046.
Yusuke, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.

- iseq.h, iseq.c, compile.c: Change the line number data structure
  to solve an issue reported at [ruby-dev:44413] [Ruby 1.9 - Bug #5217].
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  line number (iseq::iseq_insn_info_table). Instead of this data
  structure, recording only line number changing places
  (iseq::iseq_line_info_table).
  The order of entries in iseq_line_info_table is ascending order of
  iseq_line_info_table_entry::position. You can get a line number
  by an iseq and a program counter with this data structure.
  This fix reduces memory consumption of iseq (bytecode).
  On my measurement, a rails application consumes 21.8MB for
  iseq with this fix on the 32bit CPU. Without this fix, it
  consumes 24.7MB for iseq [ruby-dev:44415].
- proc.c: ditto.
- vm_insnhelper.c: ditto.
- vm_method.c: ditto.
- vm.c (rb_vm_get_sourceline): change to use rb_iseq_line_no().

#7 - 08/24/2011 06:23 PM - kosaki (Motohiro KOSAKI)

> □□□ ([BUG] bug) □□□□□□□□trunk □□□□□□□□□□□□□
> □□□□□□□□□□□ (r33030) □□□□□□□□□□□□□□□□□□□□□□□□
> □□ [BUG] □□□□□□□□□□□□□□□□□□□
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> Yugui □□□□□□□□□ (r33030) □ 1.9.3 □□□□□□□□□□□□□□□

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#8 - 08/24/2011 07:53 PM - ursm (Keita Urashima)

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Asakusa.rb □□□□□□□□□□□□□□□□□□□□□□□□

[BUG] □□□□□□□□□□ r33046 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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```
diff --git a/thread.c b/thread.c
index 57a6962..880e5f8 100644
--- a/thread.c
+++ b/thread.c
@@ -4764,7 +4764,7 @@ update_coverage(rb_event_flag_t event, VALUE
proc, VALUE self, ID id, VALUE klas
long line = rb_sourceline() - 1;
long count;
if (RARRAY_PTR(coverage)[line] == Qnil) {
```

- [redacted]

- [redacted]

```
    }
    count = FIX2LONG(RARRAY_PTR(coverage)[line]) + 1;
    if (POSFIXABLE(count)) {
```

#9 - 08/24/2011 09:53 PM - mame (Yusuke Endoh)

2011□8□24□18:09 KOSAKI Motohiro kosaki.motohiro@gmail.com:

> □□□ ([BUG] bug) □□□□□□□□trunk □□□□□□□□□□□□□
> □□□□□□□□□□□ (r33030) □□□□□□□□□□□□□□□□□□□□□□□□
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> Yugui □□□□□□□□□ (r33030) □ 1.9.3 □□□□□□□□□□□□□□□

backport project 1.9.3

--
Yusuke Endoh mame@tsg.ne.jp

#10 - 08/24/2011 09:59 PM - mame (Yusuke Endoh)

2011 8 24 19:30 Keita Urashima ursm@ursm.jp:

Asakusa.rb

[BUG] r33046

--
Yusuke Endoh mame@tsg.ne.jp

#11 - 08/24/2011 11:36 PM - mame (Yusuke Endoh)

2011 8 24 10:08 Hiroshi Nakamura nakahiro@gmail.com:

Koichi Sasada wrote:

IRC

http://www.atdot.net/sp/view/wpheql/readonly?lang=diff

trunk

trunk
1.9.3

([BUG] bug) trunk
(r33030)
[BUG]

Yugui (r33030) 1.9.3

--
Yusuke Endoh mame@tsg.ne.jp

#12 - 08/24/2011 11:53 PM - yugui (Yuki Sonoda)

2011/8/24 KOSAKI Motohiro kosaki.motohiro@gmail.com:

> □□□□□□□□□□□backport project□1.9.3□□□□□□□□□□□□□□□□□□□□
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done

--
Yuki Sonoda (Yugui)
yugui@yugui.jp
http://yugui.jp