

Backport193 - Backport #7452

Main thread is stopped after running finalizers if the main thread has a finalizer

11/28/2012 03:54 PM - mrkn (Kenta Murata)

Status:	Closed
Priority:	Normal
Assignee:	usa (Usaku NAKAMURA)
Description	
ObjectSpace.define_finalizer(Thread.main) {}	
trunk ruby_1_9_3	
trunk gist patch https://gist.github.com/4159481	
1.9.3 gist patch https://gist.github.com/4159480	

Associated revisions

Revision 59770bf9 - 11/29/2012 10:56 PM - nari

- gc.c (rb_objspace_call_finalizer): finalize_deferred may free up a object which is reachable from a part after this function, e.g. ruby_vm_destruct(). [ruby-dev:46647] [Bug #7452]
- test/ruby/test_gc.rb (test_finalizing_main_thread): add a test for above.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@38010 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38010 - 11/29/2012 10:56 PM - nari

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Revision 9a018b04 - 01/15/2013 07:29 AM - usa (Usaku NAKAMURA)

merge revision(s) 38010: [Backport #7452]

```
* gc.c (rb_objspace_call_finalizer): finalize_deferred may free up
  a object which is reachable from a part after this function,
  e.g. ruby_vm_destruct(). [ruby-dev:46647] [Bug #7452]
```

```
* test/ruby/test_gc.rb (test_finalizing_main_thread): add a test
  for above.
```

```
* test/rdoc/test_rdoc_servlet.rb: Tets for above
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@38831 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38831 - 01/15/2013 07:29 AM - usa (Usaku NAKAMURA)

merge revision(s) 38010: [Backport #7452]

```
* gc.c (rb_objspace_call_finalizer): finalize_deferred may free up
  a object which is reachable from a part after this function,
  e.g. ruby_vm_destruct(). [ruby-dev:46647] [Bug #7452]
```

```
* test/ruby/test_gc.rb (test_finalizing_main_thread): add a test
```


- /* They might be not referred from any place here */
- mark_tbl(objspace, finalizer_table);
- gc_mark_stacked_objects(objspace);
- st_foreach(finalizer_table, chain_finalized_object,
- (st_data_t)&deferred_final_list);
- } while (deferred_final_list);
- finalize_deferred(objspace);
- assert(deferred_final_list == 0); + /* force to run finalizer */ while (finalizer_table->num_entries) { struct force_finalize_list *list = 0;

#6 - 11/29/2012 06:23 PM - nobu (Nobuyoshi Nakada)

(12/11/28 21:42), authorNari (Narihiro Nakamura) wrote:

```
ad-hoc
https://gist.github.com/4160845
VM
```

```
VMfinalize
```

```
--
--- Bug
--- Bug
  
```

#7 - 11/30/2012 07:57 AM - authorNari (Narihiro Nakamura)

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

This issue was solved with changeset r38010.
 Kenta, thank you for reporting this issue.
 Your contribution to Ruby is greatly appreciated.
 May Ruby be with you.

- gc.c (rb_objspace_call_finalizer): finalize_deferred may free up a object which is reachable from a part after this function, e.g. ruby_vm_destruct(). [ruby-dev:46647] [Bug #7452]
- test/ruby/test_gc.rb (test_finalizing_main_thread): add a test for above.

#8 - 11/30/2012 08:24 AM - authorNari (Narihiro Nakamura)

2012 11 29 18:01 Nobuyoshi Nakada nobu@ruby-lang.org:

(12/11/28 21:42), authorNari (Narihiro Nakamura) wrote:

```
ad-hoc
https://gist.github.com/4160845
VM
```

```
VMfinalize
```

```
rb_objspace_call_finalizer
VMgc_marks...
```

```
test-all
```

--
 Narihiro Nakamura (nari)

#9 - 01/11/2013 05:40 PM - mrkn (Kenta Murata)

- Tracker changed from Bug to Backport
- Project changed from Ruby master to Backport193
- Category deleted (core)

- Status changed from Closed to Assigned
- Assignee changed from authorNari (Narihiro Nakamura) to usa (Usaku NAKAMURA)
- Target version deleted (2.0.0)

1.9.3

#10 - 01/15/2013 04:29 PM - usa (Usaku NAKAMURA)

- Status changed from Assigned to Closed

This issue was solved with changeset [r38831](#).
Kenta, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

merge revision(s) 38010: [Backport [#7452](#)]

- * `gc.c (rb_objspace_call_finalizer): finalize_deferred may free up a object which is reachable from a part after this function, e.g. ruby_vm_destruct(). [ruby-dev:46647] [Bug #7452]`
- * `test/ruby/test_gc.rb (test_finalizing_main_thread): add a test for above.`
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