

Backport191 - Backport #2367

memory leak of Class#dup

11/14/2009 09:53 PM - mame (Yusuke Endoh)

Status:	Assigned
Priority:	Normal
Assignee:	yugui (Yuki Sonoda)

Description

```
=begin
#####
```

```
Class#dup #####
class C; end; loop { C.dup } #####
```

```
object.c [] init_copy [] class.c [] rb_mod_init_copy [] RCLASS_IV_TBL []
##### RCLASS_M_TBL #####
#####
```

```
#####init_copy [] rb_mod_init_copy #####
#####
##### (loop { C.dup } [])
[]) #####
```

```
diff --git a/class.c b/class.c
index a97494b..056e171 100644
```

```
--- a/class.c
```

```
+++ b/class.c
```

```
@@ -151,6 +151,9 @@ rb_mod_init_copy(VALUE clone, VALUE orig)
```

```
if (RCLASS_IV_TBL(orig)) {
```

```
ID id;
```

- if (RCLASS_IV_TBL(clone)) {
- st_free_table(RCLASS_IV_TBL(clone));
- } RCLASS_IV_TBL(clone) = st_copy(RCLASS_IV_TBL(orig)); CONST_ID(id, "classpath"); st_delete(RCLASS_IV_TBL(clone), (st_data_t*)&id, 0); @@ -159,6 +162,11 @@ rb_mod_init_copy(VALUE clone, VALUE orig) } if (RCLASS_M_TBL(orig)) { struct clone_method_data data; +
- if (RCLASS_M_TBL(clone)) {
- extern void rb_free_m_table(st_table *tbl);
- rb_free_m_table(RCLASS_M_TBL(clone));
- } data.tbl = RCLASS_M_TBL(clone) = st_init_numtable(); data.klass = clone; st_foreach(RCLASS_M_TBL(orig), clone_method, diff --git a/gc.c b/gc.c index f472bfc..9de079b 100644 --- a/gc.c +++ b/gc.c @@ -1459,8 +1459,8 @@ free_method_entry_i(ID key, rb_method_entry_t *me, st_data_t data) return ST_CONTINUE; }

```
-static void
```

```
-free_m_table(st_table *tbl)
```

```
+void
```

```
+rb_free_m_table(st_table *tbl)
```

```
{
```

```
st_foreach(tbl, free_method_entry_i, 0);
```

```
st_free_table(tbl);
```

```
@@ -1988,7 +1988,7 @@ obj_free(rb_objspace_t *objspace, VALUE obj)
```

```
case T_MODULE:
```

```
case T_CLASS:
```

```
rb_clear_cache_by_class((VALUE)obj);
```

- free_m_table(RCLASS_M_TBL(obj));
- rb_free_m_table(RCLASS_M_TBL(obj)); if (RCLASS_IV_TBL(obj)) { st_free_table(RCLASS_IV_TBL(obj)); }

```
--
```

```
Yusuke ENDOH mame@tsg.ne.jp
```

```
=end
```

History

#1 - 11/14/2009 09:57 PM - mame (Yusuke Endoh)

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

=begin

This issue was solved with changeset r25768.
Yusuke, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

=end

#2 - 07/29/2010 11:38 AM - nobu (Nobuyoshi Nakada)

- Category set to core
- Status changed from Closed to Assigned
- Assignee set to yugui (Yuki Sonoda)

=begin

=end