Ruby master - Bug #7766
Marshal.dump corrupts Hash data when serializing
02/01/2013 12:57 PM - zapotek (Tasos Laskos)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 2.0.0dev (2012-11-01 trunk 37411) [x86_64-linux]</td>
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</table>

**Description**

Marshal.dump seems to corrupt a Hash object during serialization. The problem is that this does not happen when the affected Hash is serialized by itself but only (as far as I could see) when it's part of a larger object.

Worked on: ruby 1.9.3p374 (2013-01-15 revision 38858) [x86_64-linux]

Unfortunately, it can't be reproduced using the attached serialized objects, it only happens when I run one of my system's tests.

I thought that I might be doing something wrong but it works fine on 1.9.3 and also works on 2.0 when I change the serializer to YAML.

Proper object -- YAML

```
{
"requests" => 2830,
"responses" => 2830,
"time_out_count" => 0,
"time" => "00:00:17",
"avg" => 158,
"sitemap_size" => 776,
"auditmap_size" => 651,
"progress" => 100.0,
"curr_res_time" => 0,
"curr_res_cnt" => 0,
"curr_avg" => 0,
"average_res_time" => 0,
"max_concurrency" => 20,
"current_page" => "http://localhost:15407/vulnerable0_vulnerable_26=stuff26",
"eta" => "--:--:--",
"url" => "localhost:57977",
"status" => "cleanup"
}
```

Corrupted object - Marshal

```
{
"requests" => 2830,
6154.0 => "time_out_count",
"responses" => 0,
0.0 => "average_res_time",
"time" => 776,
"00:00:17" => 651,
"avg" => 100.0,
350.0 => 0,
"sitemap_size" => 0,
"auditmap_size" => 0,
1301.0 => 0,
"progress" => 20,
100.0 => "curr_res_time"
}
```

I didn't go through the entire repro setup of my system because it's a bit of a hassle but if the info I included here isn't enough I'd be...
History

#1 - 02/01/2013 09:07 PM - charliesome (Charlie Somerville)

=begin
Does it only corrupt the output, or does it break the actual Hash object passed to it?
=end

#2 - 02/02/2013 04:32 AM - zapotek (Tasos Laskos)

It only corrupted the output, although a few mins ago I realized I was on the preview and there was an RC1 out.
I just tested RC1 and the problem seems to have been fixed.

Do excuse me and please ignore this issue.

#3 - 02/02/2013 04:49 AM - vo.x (Vit Ondruch)

- Status changed from Open to Closed

Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
</tr>
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<tbody>
<tr>
<td>dump.marshal</td>
<td>567 KB</td>
<td>02/01/2013</td>
<td>zapotek (Tasos Laskos)</td>
</tr>
<tr>
<td>dump.yaml</td>
<td>947 KB</td>
<td>02/01/2013</td>
<td>zapotek (Tasos Laskos)</td>
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<tr>
<td>marshal_bug.rb</td>
<td>679 Bytes</td>
<td>02/01/2013</td>
<td>zapotek (Tasos Laskos)</td>
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