Ruby master - Feature #14705

[PATCH] eval.c (ruby_setup): disable THP on Linux

04/22/2018 10:21 PM - normalperson (Eric Wong)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
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<tr>
<td>Assignee:</td>
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<td>Target version:</td>
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**Description**
Transparent Huge Pages (THP) decrease the effectiveness of CoW-friendly GC because it decreases page granularity. That is, a forked process dirtying one bit of CoW-shared memory can trigger a copy of a huge page (2MB on x86-64) instead of a smaller, standard page (4K).

I think this is fairly obvious choice to make since we already decide to support bitmap marking GC for CoW-friendliness. Will commit in a few days if no response.

**Associated revisions**

**Revision acbbf8b0 - 04/24/2018 08:31 PM - normal**
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- eval.c (ruby_setup): disable THP on Linux [ruby-core:86651] [Feature #14705]

`git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@63253 b2dd03c8-39d4-4d8f-98ff-823fe69b080e`

**Revision 63253 - 04/24/2018 08:31 PM - normalperson (Eric Wong)**
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**History**

#1 - 04/24/2018 08:32 PM - normalperson (Eric Wong)

- Status changed from Open to Closed

Applied in changeset `trunk/r63253`.  

09/26/2021
eval.c (ruby_setup): disable THP on Linux

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Files

| 0001-eval.c-ruby_setup-disable-THP-on-Linux.patch | 1.21 KB | 04/22/2018 | normalperson (Eric Wong) |