Ruby master - Bug #7778

Irb loading generates 17x more open/stat system calls when a locale is set

02/04/2013 04:36 AM - Izap (Lukas Zapletal)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Rejected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>keiju (Keiju Ishitsuka)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.6</td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 2.0.0dev (2013-01-07 trunk 38733) [x86_64-linux]</td>
</tr>
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</table>

Description

Hello,

I did just found out that when I have a locale set (e.g. cs_CZ in my case), irb does some extra finding for rb/so files which are being required. That slows down loading time and if you have many rubygems, loading can be really slow.

```
$ LC_ALL=cs_CZ strace irb < /dev/null 2>&1 | grep ENOENT | wc -l
5195

$ LC_ALL=C strace irb < /dev/null 2>&1 | grep ENOENT | wc -l
293

$ time LC_ALL=cs_CZ irb < /dev/null
real 0m0.262s
user 0m0.165s
sys 0m0.023s

$ time LC_ALL=C irb < /dev/null
real 0m0.084s
user 0m0.066s
sys 0m0.014s
```

Tested on stable 1.9.3 and also on 2.0 RC1. All the same.

History

#1 - 02/17/2013 02:22 PM - ko1 (Koichi Sasada)
- Category set to lib
- Assignee set to keiju (Keiju Ishitsuka)
- Target version set to 2.6

Is it only for irb?
Same as Ruby command?

#2 - 02/17/2013 10:46 PM - keiju (Keiju Ishitsuka)

Irb search directories of RUBY_PATH for irb message locale files, if LC_ALL etc. is set.

Therefore, this is not a bug.

#3 - 02/21/2013 08:09 PM - keiju (Keiju Ishitsuka)
- Status changed from Open to Rejected