Description

I can use PIE if I compile with gcc -fPIE and link with gcc -pie. Ruby's configure script tries to enable PIE, but the check for gcc -pie says "no". I expected "yes". My system runs OpenBSD 5.2 for amd64. My compiler is the default gcc 4.2.1.

The problem is it forgot to use -fPIE when checking -pie. Here is the relevant part of config.log:

```
configure:17900: checking whether -pie is accepted as LDFLAGS
/usr/bin/ld: /tmp//ccYa9wrA.o: relocation R_X86_64_32 can not be used when making a shared object; recompile with -fPIC 
/tmp/ccYa9wrA.o: could not read symbols: Bad value
collect2: ld returned 1 exit status
```

I am attaching a patch (pie-check.diff) to solve this problem. I use -fPIE during the check for gcc -pie. I also add -fPIE to XCFLAGS only when adding -pie (or -Wl,-pie) to XLDFLAGS. With this patch, the check says "yes" and I see -pie in XLDFLAGS.

Associated revisions

Revision 495f72ed - 12/26/2012 03:00 AM - kosaki (Motohiro KOSAKI)

- configure.in: enable -fPIE when checking -pie for fixing OpenBSD build error. Patch by George Koehler. Thank you! [Bug #7606] [ruby-core:51082]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@38619 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38619 - 12/26/2012 03:00 AM - kosaki (Motohiro KOSAKI)

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History

#1 - 12/26/2012 11:43 AM - kosaki (Motohiro KOSAKI)
- Category set to build
- Status changed from Open to Assigned
- Assignee set to kosaki (Motohiro KOSAKI)
- Priority changed from 3 to 5
- Target version set to 2.0.0

I don't think OpenBSD support is low priority.

#2 - 12/26/2012 12:00 PM - kosaki (Motohiro KOSAKI)
- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r38619.
George, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
<th>Date</th>
<th>Author</th>
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</thead>
<tbody>
<tr>
<td>config.log</td>
<td>789 KB</td>
<td>12/23/2012</td>
<td>kernigh (George Koehler)</td>
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<tr>
<td>pie-check.diff</td>
<td>815 Bytes</td>
<td>12/23/2012</td>
<td>kernigh (George Koehler)</td>
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