Ruby master - Feature #17468
Deprecate RUBY_DEVEL
12/25/2020 09:32 AM - naruse (Yui NARUSE)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
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<tr>
<td>Target version:</td>
<td>3.2</td>
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**Description**

Some configuration of Ruby use RUBY_DEVEL, which depends PATCH_LEVEL. But depending PATCH_LEVEL causes issues which will become revealed on the final release. Though we release some previews and RCs, they don't contributes the quality around RUBY_DEVEL.

Therefore to ensure CI tests the quality of the final release, we need to deprecate RUBY_DEVEL.

**Associated revisions**

Revision 357352af - 08/10/2022 05:13 AM - jeremyevans (Jeremy Evans)
Do not enable RUBY_DEVEL by RUBY_PATCHLEVEL

This makes RUBY_DEVEL not enabled automatically. It still can be enabled manually.

Test manually using RUBY_DEVEL in CI.

Implements [Feature #17468]

**History**

#1 - 12/25/2020 09:33 AM - naruse (Yui NARUSE)
- Backport deleted (2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN)
- Tracker changed from Bug to Feature

#2 - 10/19/2021 09:29 PM - jeremyevans0 (Jeremy Evans)
I looked into this. If we removed RUBY_DEVEL, we would make it so ruby_debug_log was never defined, since it is only defined if RUBY_DEVEL is defined. Basically, removing RUBY_DEVEL is equivalent to removing the removing the entire debug logging feature.

I think a safer and less invasive change is to make RUBY_DEVEL not depend on PATCH_LEVEL. By doing so, Ruby developers that want to use debug logging can still manually use RUBY_DEVEL=yes when configuring, but it will never be enabled automatically. I submitted a pull request for this: https://github.com/ruby/ruby/pull/4993. One change it makes is to set USE_RUBY_DEBUG_LOG to 1 instead of 0 if RUBY_DEVEL is defined and USE_RUBY_DEBUG_LOG isn't. Since RUBY_DEVEL is no longer enabled automatically, the main reason to enable it would be to support debug logging, in which case I think 1 is a better default.

#3 - 12/25/2021 07:45 AM - mame (Yusuke Endoh)
When packaging a new tarball, we faced this issue again. Building a tarball produces so many warnings:

```
./vm_debug.h:34:5: warning: "RUBY_DEVEL" is not defined, evaluates to 0 [-Wundef]
  34 |   #if RUBY_DEVEL
      |   "~~~~~~~
./vm_debug.h:100:5: warning: "USE_RUBY_DEBUG_LOG" is not defined, evaluates to 0 [-Wundef]
 100 |   #if USE_RUBY_DEBUG_LOG
      |   "~~~~~~~~~~~
```

In file included from ./vm.c40:

```
./vm_sync.h:7:5: warning: "USE_RUBY_DEBUG_LOG" is not defined, evaluates to 0 [-Wundef]
  7 |   #if USE_RUBY_DEBUG_LOG
      |   "~~~~~~~~~~~
```

#4 - 06/16/2022 01:08 AM - hsbt (Hiroshi SHIBATA)
- Target version changed from 3.1 to 3.2

#5 - 08/10/2022 05:14 AM - jeremyevans (Jeremy Evans)
- Status changed from Open to Closed
Do not enable RUBY_DEVEL by RUBY_PATCHLEVEL

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Test manually using RUBY_DEVEL in CI.

Implements [Feature #17468]