Ruby - Feature #17468

Deprecate RUBY_DEVEL

12/25/2020 09:32 AM - naruse (Yui NARUSE)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:	3.2	

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 357352af5ee37bf31ba4468ee242ea5a10158461 - 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]

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History

#1 - 12/25/2020 09:33 AM - naruse (Yui NARUSE)

- Tracker changed from Bug to Feature

- Backport deleted (2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN)

#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.c:40:
./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

Applied in changeset git|357352af5ee37bf31ba4468ee242ea5a10158461.

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