Spec errors for rbconfig/unicode_[emoji]_version_spec: Using Ruby 2.7 even when on Ruby 3.1

07/04/2021 09:42 AM - duerst (Martin Dürst)

Status: Closed  
Priority: Normal  
Assignee: Eregon (Benoit Daloze)  
Target version: ruby 3.1.0dev (2021-07-04T08:11:22Z master 0a931ef8f9) [x86_64-linux]  
Backport: 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN

Description

Related issues:
Blocks Ruby master - Feature #17750: Update Unicode data to Unicode Version 1...

History

#1 - 07/04/2021 09:46 AM - Eregon (Benoit Daloze)
What's the issue and what's the error like?

I guess you mean https://github.com/ruby/ruby/blob/2488589b2f1a70dbfd4155ac9bea3c533ef35d8/spec/ruby/library/rbconfig/unicode_version_spec.rb#L23-L27?
That until now is the Unicode version from 2.6.3 until the current revision.
ruby_version_is "2.6.3" do means 2.6.3+, so yes it includes 3.1.0.

If we have a new Unicode version, simply update the spec and add a new it.

#2 - 07/04/2021 09:50 AM - duerst (Martin Dürst)
[sorry, hitting Enter too early]

Working on upgrading Ruby 3.1 to Unicode version 13.0.0 and Unicode Emoji version 13.0, I'm getting the following errors:

```
194) RbConfig::CONFIG['UNICODE_EMOJI_VERSION'] is 12.1 for Ruby 2.7 FAILED
   Expected "13.0.0" == "12.1.0"
   to be truthy but was false
   /home/duerst/ruby3/spec/ruby/library/rbconfig/unicode_emoji_version_spec.rb:19:in `block (3 levels) in <top (required)>'

195) RbConfig::CONFIG['UNICODE_VERSION'] is 12.1.0 for Ruby 2.6.3+ and Ruby 2.7 FAILED
   Expected "13.0.0" == "12.1.0.0"
   to be truthy but was false
   /home/duerst/ruby3/spec/ruby/library/rbconfig/unicode_version_spec.rb:25:in `block (3 levels) in <top (required)>'
```

This looks weird to me because I'm on Ruby version 3.1.0dev. while the specs mention only versions such as 2.6 or 2.7. How can I fix this? In particular, it's unclear for me what I should do to express that the Unicode/Emoji version changes in the middle of a Ruby dev version.

#3 - 07/04/2021 09:52 AM - duerst (Martin Dürst)
- Blocks Feature #17750: Update Unicode data to Unicode Version 13.0.0 added

#4 - 07/04/2021 10:03 AM - duerst (Martin Dürst)
- Status changed from Open to Feedback

Okay, I changed the last it by extending its version to 3.0, and added a new it, as follows (and similar for emoji):

```
ruby_version_is "2.6.3"..."3.0" do
  it "is 12.1.0 for Ruby 2.6.3+, Ruby 2.7, and Ruby 3.0" do
    RbConfig::CONFIG['UNICODE_VERSION'].should == "12.1.0"
  end
```
That got rid of the errors, but I'm of course not sure that this does the right thing for older versions.
(When running make test-spec, I also get a lot of errors that say NoMethodError: undefined method started? for nil:NilClass, always for @http.finish if @http.started?, but I'm assuming these are unrelated to what I'm doing.)

#5 - 07/04/2021 10:05 AM - Eregon (Benoit Daloze)
I see, you simply need to adapt the guards, like:

```ruby
ruby_version_is "2.6.3"..."3.1" do
  it "is 12.1.0 for Ruby 2.6.3+ to Ruby 3.1" do
    RbConfig::CONFIG['UNICODE_VERSION'].should == "12.1.0"
  end
end

ruby_version_is "3.1" do
  it "is 13.0.0 for Ruby 3.1+" do
    RbConfig::CONFIG['UNICODE_VERSION'].should == "13.0.0"
  end
end
```

Older dev versions are basically considered non-existing in specs/tests, so we can just ignore that.

#6 - 07/04/2021 10:09 AM - Eregon (Benoit Daloze)
What you wrote above is almost correct, but it should be ruby_version_is "2.6.3"..."3.1" do.
It's an exclusive range, and so until 3.1, excluded.

From a ruby_version_is point of view, the dev part of 3.1.0dev is irrelevant, because it only checks RUBY_VERSION, and that's "3.1.0".

#7 - 07/04/2021 10:13 AM - Eregon (Benoit Daloze)

(When running make test-spec, I also get a lot of errors that say NoMethodError: undefined method started? for nil:NilClass, always for @http.finish if @http.started?, but I'm assuming these are unrelated to what I'm doing.)

That's probably related to webrick, you might need to gem install webrick on that dev Ruby.
However, I just tried and it works fine for me with make test-spec MSPECOPT="-j".

#8 - 07/05/2021 12:04 AM - duerst (Martin Dürst)
- Status changed from Feedback to Closed

Many thanks for your advice, Eregon (Benoit Daloze). The webrick-related spec failures are continuing, but I'm closing this issue.