Date.parse raises an Argument error under a specific condition

11/26/2016 01:33 PM - kenta-s (Kenta SHIRAI)

Status: Closed
Priority: Normal
Assignee:
Target version:
ruby -v:

2.3.3p222 (2016-11-21 revision 56859)
[x86_64-linux]

Backport:
2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN

Date.parse cannot accept incomplete strings whose delimiter is a hyphen like: "2016-12", although it can accept if a delimiter is a slash like: "2016/12"

I'm not really sure if this is a bug or an expected behavior, but a maintainer of rails/rails recommended me to report this to Ruby team when I issued a PR( https://github.com/rails/rails/pull/27181 ) to them. So I'd appreciate if this issue is looked into.

steps to reproduce:

```ruby
require "date"
true
Date.parse("2016/12/01")
#{<Date: 2016-12-01 ((2457724j,0s,0n),+0s,2299161j)}
Date.parse("2016-12-01")
#{<Date: 2016-12-01 ((2457724j,0s,0n),+0s,2299161j)}
Date.parse("2016/12")
#{<Date: 2016-12-01 ((2457724j,0s,0n),+0s,2299161j)}
Date.parse("2016-12")
ArgumentError: invalid date
  from (irb):3:in `parse'
  from (irb):3
  from /usr/local/bin/irb:11:in `<main>'
```

Related issues:

Is duplicate of Ruby master - Bug #12285: Date.iso8601 does not properly hand... Closed

History

#1 - 11/26/2016 01:35 PM - kenta-s (Kenta SHIRAI)
- Description updated

#2 - 12/25/2016 08:21 AM - alfiemax (Alfred Dominic)
I see a similar inconsistency in the Date._parse method. Everything works fine as expected as long as the / delimiter is used. I think it has something to do with _parse being able to parse strings with delimiter and one without it.

```ruby
Date.parse("2016/12/01")
{year=>2016, mon=>12, mday=>1}
Date.parse("2016-12-01")
{year=>2016, mon=>12, mday=>1}
Date.parse("2016/12")
{year=>2016, mon=>12}
Date.parse("2016-12")
{mon=>20, mday=>16, zone=>"-12", offset=>-43200}
```

#3 - 06/24/2019 10:50 PM - jeremyevans0 (Jeremy Evans)
- Is duplicate of Bug #12285: Date.iso8601 does not properly handle partial date strings added

#4 - 07/16/2019 12:41 AM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Closed

Applied in changeset gh/75fb0a9afad1685ceade9c7b65a7f30ec95068fc.

Allow mday in Date.iso8601 to be omitted

[Bug #12285]