

Ruby - Bug #13810

Inconsistency between Date and Time.strptime("%v")

08/13/2017 02:48 PM - osteele (Oliver Steele)

Status:	Closed	Backport: 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:		
Description		
This seems odd. Each function matches its documentation, but the document and implementation of Date.strptime("%v") differs from the documentation and implementations of Time.strptime("%v") and DateTime.strptime("%v"). <pre>ruby --version ruby 2.4.1p111 (2017-03-22 revision 58053) [x86_64-darwin16] require 'time' # https://ruby-doc.org/stdlib-2.4.1/libdoc/date/rdoc/Date.html#method-i-strftime # %v - VMS date (%e-%b-%Y) d = Date.iso8601 "2006-01-02T15:04:05-05:00" puts d.strptime("%v") # -> 2-Jan-2006 puts d.strptime("%e-%b-%Y") # -> 2-Jan-2006 # https://ruby-doc.org/stdlib-2.4.1/libdoc/date/rdoc/DateTime.html#method-i-strftime # %v - VMS date (%e-%b-%Y) dt = DateTime.iso8601 "2006-01-02T15:04:05-05:00" puts dt.strptime("%v") # -> 2-Jan-2006 puts dt.strptime("%e-%b-%Y") # -> 2-Jan-2006 # https://ruby-doc.org/core-2.4.1/Time.html#method-i-strftime # %v - VMS date (%e-%^b-%4Y) t = Time.iso8601 "2006-01-02T15:04:05-05:00" puts t.strptime("%v") # 2-JAN-2006 puts t.strptime("%e-%^b-%4Y") # 2-JAN-2006</pre>		
Related issues:		
Related to Ruby - Bug #4662: Date#strftime %v gives allcaps instead of normal...		Closed 05/10/2011

Associated revisions

Revision f9f7f3a75ec5af4a70e3332f8f5aa300c13432e2 - 09/28/2021 08:34 AM - jeremyevans (Jeremy Evans)

[ruby/date] Make %v strftime flag use uppercase month

%v is supposed to be the VMS date, and VMS date format uses an uppercase month.

Ruby 1.8 used an uppercase month for %v, but the behavior was changed without explanation in r31672.

Time#strftime still uses an uppercase month for %v, so this change makes Date#strftime consistent with Time#strftime.

Fixes [Bug #13810]

<https://github.com/ruby/date/commit/56c489fd7e>

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Revision f9f7f3a7 - 09/28/2021 08:34 AM - jeremyevans (Jeremy Evans)

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History

#1 - 08/14/2017 12:20 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Feedback

At r31672, date changed it but no description or rationale.

- ext/date/date_strftime(date_strftime_with_tmx): "%v" means "%e-%b-%Y".

Does anybody have any pointers?

#2 - 08/14/2017 05:30 PM - ostelee (Oliver Steele)

Ruby's Time.strftime method (where %v is equivalent to %e-%^b-%4Y) is compatible with VMS time format, and Date.strftime and DateTime.strftime (where it is equivalent to %e-%b-%Y) are not, according to section 27.1.1 Absolute Time Format of "[OpenVMS Programming Concepts Manual](#)":

The operating system uses the following format for absolute time. [...]

dd-MMM-yyyy hh:mm:ss.cc

[...]

MMM Month (first 3 characters of the month in uppercase)

#3 - 08/14/2017 10:11 PM - wanabe (_ wanabe)

- Related to Bug #4662: Date#strftime %v gives allcaps instead of normal caps added

#4 - 07/27/2021 09:38 AM - hsbt (Hiroshi SHIBATA)

- Tracker changed from Misc to Bug

- Backport set to 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN

#5 - 07/27/2021 05:35 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Feedback to Open

I submitted a pull request upstream to fix this: <https://github.com/ruby/date/pull/35>. However, I'm not sure if the consistency benefit is worth the backwards incompatibility cost.

#6 - 09/13/2021 08:34 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Closed