

Ruby trunk - Feature #15123

Enumerable#compact proposal

09/14/2018 05:30 PM - printerco (Max Melentiev)

Status:	Open
Priority:	Normal
Assignee:	matz (Yukihiro Matsumoto)
Target version:	
Description	
Hi!	
While Enumerable does not provide #compact method, it requires changing code in some cases to substitute array with enumerator.	
For example, to reduce memory usage it's usual to change <code>large_array.map { to_heavy_object }.chained_methods</code> to <code>large_array.lazy....</code> However if <code>chained_methods</code> contains <code>compact</code> , this change will fail. Replacing <code>compact</code> with <code>reject(&:nil?)</code> fixes it.	
What do you think about adding #compact to Enumerable?	

History

#1 - 09/14/2018 07:43 PM - greggzst (Grzegorz Jakubiak)

I'm in favor of this proposal. It simplifies working with large and small collections so one doesn't have to remember that can't use #compact when enumerator is returned and have to fall back to #reject(:nil?).

#2 - 09/15/2018 02:37 AM - marcandre (Marc-Andre Lafortune)

- Assignee set to matz (Yukihiro Matsumoto)

Proposal seems acceptable to me.

Just to be clear: I imagine that Lazy#compact would still be lazy. Also compact is roughly `select(&:itself)`, not `reject(&:nil?)` which would wrongly keep false.

#3 - 09/15/2018 07:45 AM - Eregon (Benoit Daloze)

marcandre (Marc-Andre Lafortune) wrote:

Also compact is roughly `select(&:itself)`, not `reject(&:nil?)` which would wrongly keep false.

No, #compact only removes nil: `["a", false, nil].compact => ["a", false]`.

#4 - 09/15/2018 11:06 AM - shevegen (Robert A. Heiler)

I think if the meaning is consistent (e. g. .compact meaning to eliminate nil values from a given collection) then this seems ok. Perhaps this could be added for the next developer meeting.

#5 - 09/15/2018 02:38 PM - marcandre (Marc-Andre Lafortune)

Eregon (Benoit Daloze) wrote:

No, #compact only removes nil: `["a", false, nil].compact => ["a", false]`.

Lol, ouch, not sure how I could be so confused when I wrote that, sorry!

#6 - 09/24/2018 11:07 PM - nobu (Nobuyoshi Nakada)

- Backport deleted (2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN)

- Tracker changed from Bug to Feature