

Ruby - Feature #17347

Enumerator::Chain of Enumerator::Lazy should be lazy

11/26/2020 04:12 PM - asilano (Chris Howlett)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
Description ruby 2.6.6p146 (2020-03-31 revision 67876) [x86_64-linux] Consider the following script: <pre>a = [1,2,3].lazy p a b = [4,5,6].lazy p b c = a + b p c</pre> This gives the output: <pre>#<Enumerator::Lazy: [1, 2, 3]> #<Enumerator::Lazy: [4, 5, 6]> #<Enumerator::Chain: [#<Enumerator::Lazy: [1, 2, 3]>, #<Enumerator::Lazy: [4, 5, 6]>]></pre> Note that c is just Enumerator::Chain; but all its component enumerators are lazy, so it would be nice if c were lazy. That is, I'd like the output to be: <pre>#<Enumerator::Lazy: [1, 2, 3]> #<Enumerator::Lazy: [4, 5, 6]> #<Enumerator::Lazy: #<Enumerator::Chain: [#<Enumerator::Lazy: [1, 2, 3]>, #<Enumerator::Lazy: [4, 5, 6]>]>></pre>		
Related issues: Is duplicate of Ruby - Bug #17216: Enumerator::Chain doesn't support all Enum... Closed		

Associated revisions

Revision e1d16a9e560a615e122e457325bcfb7c47228ed6 - 03/06/2021 09:56 PM - jeremyevans (Jeremy Evans)

Make Enumerator#{+,chain} create lazy chain if any included enumerator is lazy

Implements [Feature #17347]

Revision e1d16a9e560a615e122e457325bcfb7c47228ed6 - 03/06/2021 09:56 PM - jeremyevans (Jeremy Evans)

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Implements [Feature #17347]

History

#1 - 11/27/2020 02:06 AM - nobu (Nobuyoshi Nakada)

- Is duplicate of Bug #17216: Enumerator::Chain doesn't support all Enumerator methods added

#2 - 11/27/2020 01:38 PM - asilano (Chris Howlett)

Is it a duplicate? I can see it's similar, but I'm not entirely sure fixing [#17216](#) will fix this. Willing to be wrong, though.

#3 - 03/05/2021 10:37 PM - jeremyevans0 (Jeremy Evans)

This isn't a duplicate of [#17216](#) even though it is related. I agree that this feature would be useful. I've included an implementation in the same pull request: <https://github.com/ruby/ruby/pull/3811>

#4 - 03/06/2021 09:59 PM - jeremyevans (Jeremy Evans)

- *Status changed from Open to Closed*

Applied in changeset [git|bf40fe9fed19a5e22081b133661c0629988f1618](https://github.com/ruby/ruby/commit/bf40fe9fed19a5e22081b133661c0629988f1618).

Fix calling enumerator methods such as `with_index` on `Enumerator::Chain`

This previously raised a `TypeError`. Wrap the `Enumerator::Chain` in an `Enumerator` to work around the problem.

Fixes [Bug [#17216](#)]