

Ruby - Bug #20165

Ractors moving a Struct breaks beyond the first 3 fields

01/08/2024 09:02 PM - codekitchen (Brian Palmer)

Status: Closed	
Priority: Normal	
Assignee: ractor	
Target version:	
ruby -v: ruby 3.3.0 (2023-12-25 revision 5124f9ac75) [arm64-darwin23]	Backport: 3.0: UNKNOWN, 3.1: UNKNOWN, 3.2: UNKNOWN, 3.3: UNKNOWN
Description Experimenting with Ractors on ruby 3.3.0, and I'm seeing a bug where if you move a struct between ractors, all but the first 3 fields are set to nil. <pre>Foo = Struct.new(:a,:b,:c,:d,:e,:f) r = Ractor.new { foo = Foo[0,0,0,0,0,0] p foo Ractor.yield(foo, move: true) } p r.take [] ruby -v ruby 3.3.0 (2023-12-25 revision 5124f9ac75) [arm64-darwin23] [] ruby rbug.rb rbug.rb:3: warning: Ractor is experimental, and the behavior may change in future versions of Ruby ! Also there are many implementation issues. #<struct Foo a=0, b=0, c=0, d=0, e=0, f=0> #<struct Foo a=0, b=0, c=0, d=nil, e=nil, f=nil></pre> This seems specific to moving, if I set move: false the struct makes it across OK.	
Related issues:	
Related to Ruby - Bug #20271: Issue with moving embedded string across ractors	Closed
Related to Ruby - Bug #20267: Hashes that use ar_table aren't moved properly ...	Closed
Related to Ruby - Bug #20255: Embedded arrays aren't moved correctly across r...	Closed

History

#1 - 01/10/2024 07:26 PM - luke-gru (Luke Gruber)

I sent a fix for this here <https://github.com/ruby/ruby/pull/9910/>

Also, currently Ractors are not working well on Ruby 3.3, if you're working with them I suggest staying on 3.2 for now.

#2 - 05/08/2025 10:38 PM - jhawthorn (John Hawthorn)

- Assignee set to ractor

#3 - 05/09/2025 08:19 AM - byroot (Jean Boussier)

- Status changed from Open to Closed

Duplicate of: [Bug #20271] [Bug #20267] [Bug #20255]

This was fixed in 0350290262ea0fbc4e1807901797ee8a6970c2b9 and a few followups.

#4 - 05/09/2025 08:19 AM - byroot (Jean Boussier)

- Related to Bug #20271: Issue with moving embedded string across ractors added

#5 - 05/09/2025 08:19 AM - byroot (Jean Boussier)

- Related to Bug #20267: Hashes that use ar_table aren't moved properly across ractors added

#6 - 05/09/2025 08:19 AM - byroot (Jean Boussier)

- *Related to Bug #20255: Embedded arrays aren't moved correctly across ractors added*