## Deprecate rb_gc_force_recycle

11/05/2021 02:01 PM - peterzhu2118 (Peter Zhu)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
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<tr>
<td>Assignee:</td>
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<td>Target version:</td>
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### Description

**GitHub PR:** [https://github.com/ruby/ruby/pull/4363](https://github.com/ruby/ruby/pull/4363)

I'm proposing to deprecate rb_gc_force_recycle and make it a no-op function because it is a burden to maintain and makes changes to the GC difficult. It is also easy to incorrectly use this function and cause memory leaks such as [#18065](https://github.com/ruby/ruby/pull/4363).

### Associated revisions

- **Revision aeeae6e28 - 11/08/2021 07:05 PM - peterzhu2118 (Peter Zhu)**
  
  [Feature #18290] Remove all usages of rb_gc_force_recycle

  This commit removes usages of rb_gc_force_recycle since it is a burden to maintain and makes changes to the GC difficult.

- **Revision 30940648 - 11/08/2021 07:05 PM - peterzhu2118 (Peter Zhu)**
  
  [Feature #18290] Deprecate rb_gc_force_recycle and remove invalidate_mark_stack_chunk

  This commit deprecates rb_gc_force_recycle and converts it to a no-op function. Also removes invalidate_mark_stack_chunk since only rb_gc_force_recycle uses it.

- **Revision 39d3d24a - 11/08/2021 08:39 PM - peterzhu2118 (Peter Zhu)**
  
  [Feature #18290] Remove tests that test use of rb_gc_force_recycle

  Remove tests that assume objects get force recycled.

- **Revision e014c9d6 - 11/08/2021 09:41 PM - peterzhu2118 (Peter Zhu)**
  
  [ci skip] Update NEWS.md for [Feature #18290]

### History

- **#1 - 11/08/2021 07:06 PM - peterzhu2118 (Peter Zhu)**
  
  Status changed from Open to Closed

  Applied in changeset [git|aeae6e2842e1702dfb898ae69b48c4f5f64c662](https://github.com/gitlab-ruby/ruby/commit/aeae6e2842e1702dfb898ae69b48c4f5f64c662)

  [Feature #18290] Remove all usages of rb_gc_force_recycle

  This commit removes usages of rb_gc_force_recycle since it is a burden to maintain and makes changes to the GC difficult.