

## Ruby master - Bug #6760

### unexpected behavior in Enumerable method all? if collection is empty

07/21/2012 01:11 AM - shemerey (Anton Shemerey)

<b>Status:</b> Rejected	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b> 1.9.3	
<b>ruby -v:</b> ruby 1.9.3p125 (2012-02-16 revision 34643) [x86_64-darwin11.3.0]	<b>Backport:</b>

#### Description

if collection is empty all? always return true even if we call it with undefined method

for example

```
-> [].all?(&:undefined_method) #=> true
-> {}.all?(&:undefined_method) #=> true
```

etc.

my fix for it un ruby:

```
module Enumerable
  alias_method :_original_method_all?, :all?
```

```
  def all?(&block)
    return false if count == 0
```

```
    if block_given?
      _original_method_all?(&block)
    else
      _original_method_all?
    end
```

```
  end
end
```

example test file in attach

#### History

##### #1 - 07/21/2012 01:23 AM - marcandre (Marc-Andre Lafortune)

- Status changed from Open to Rejected

This is not a bug. This behavior is clear from the documentation, both in the form with and without a block:

"The method returns true if the block never returns false or nil."

"If the block is not given [...] will return true only if none of the collection members are false or nil."

You may open a feature request if you want, but I feel it won't be accepted, because the current behavior makes sense (see [http://en.wikipedia.org/wiki/Vacuous\\_truth](http://en.wikipedia.org/wiki/Vacuous_truth) ). It would be an incompatible change and would need very good justification.

##### #2 - 07/21/2012 01:54 AM - shemerey (Anton Shemerey)

thx for your explanation now it's clear.  
I think this bug can be closed

bunch of thanks, i don't thought about this problem from "Vacuous truth" side %-)

#### Files

test_for_enumerable_all.rb	3.21 KB	07/21/2012	shemerey (Anton Shemerey)
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