

## Ruby master - Bug #12787

### Stackoverflow over when alias\_method and prepend are used in combination

09/24/2016 06:47 PM - ethiraj (ethiraj srinivasan)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b>	<b>Backport:</b> 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN

#### Description

With Ruby 2.0 Module#prepend was used to overcome the drawbacks of alias\_method\_chaining. Most of the gems/projects still use alias\_method\_chain since they support 1.9.3 and with upcoming gems/projects using prepend for the method that is already aliased throws stackoverflow error since the aliased method and prepend method call each other and results in deadlock.

```
class Netter
  def requester
    puts " I am requester in Netter"
  end
end
class Netter
  def requester_with_alias
    puts "i am in alias"
    requester_without_alias
  end
  alias_method :requester_without_alias, :requester
  alias_method :requester, :requester_with_alias
end
module Prepend
  def requester
    puts "i am in prepend"
    super
  end
end
Netter.prepend(Prepend)

Netter.new.requester
```

#### History

##### #1 - 09/27/2016 08:32 AM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Feedback

Which version of ruby are you using? because I can't reproduce the stack overflow using 2.3.1 on my machine.

```
% ruby -v ~/Downloads/stackoverflow_with_alias_and_prepend
ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-darwin15]
i am in prepend
i am in alias
I am requester in Netter
%
```

##### #2 - 08/13/2019 04:54 AM - jeremyevans0 (Jeremy Evans)

- Status changed from Feedback to Closed

#### Files

stackoverflow_with_alias_and_prepend	404 Bytes	09/24/2016	ethiraj (ethiraj srinivasan)
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