

Ruby - Bug #20900

Net.send(:remove\_const, :HTTPSession) does not emit warnings

11/19/2024 02:41 AM - yahonda (Yasuo Honda)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 3.3.6 (2024-11-05 revision 75015d4c1f) [x86_64-linux]	Backport: 3.1: UNKNOWN, 3.2: UNKNOWN, 3.3: UNKNOWN

**Description**

After <https://github.com/ruby/net-http/pull/189> has been merged and cherry-picked to Ruby master branch, Net.send(:remove\_const, :HTTPSession) gets the NameError. This code should emit warnings against Ruby 3.3 or earlier versions of Ruby but actually it does not.

```
$ ruby -v
ruby 3.4.0dev (2024-11-18T15:04:50Z :detached: 4a7ac694e5) +PRISM [x86_64-linux]
$ irb -w
... snip ...
irb(main):001> require 'net/http'
=> true
irb(main):002> Net.send(:remove_const, :HTTPSession)
(irb):2:in 'Module#remove_const': constant Net::HTTPSession not defined (NameError)
  from (irb):2:in '<main>'
  from <internal:kernel>:168:in 'Kernel#loop'
  from /home/yahonda/.rbenv/versions/trunk/lib/ruby/gems/3.4.0+1/gems/irb-1.14.1/exe/irb:9:in '<top
(required)>'
  from /home/yahonda/.rbenv/versions/trunk/bin/irb:25:in 'Kernel#load'
  from /home/yahonda/.rbenv/versions/trunk/bin/irb:25:in '<main>'
irb(main):003>
```

Steps to reproduce

Here are the steps to see if the warnings are emitted against Ruby 3.3.

```
$ ruby -v
ruby 3.3.6 (2024-11-05 revision 75015d4c1f) [x86_64-linux]
$ irb -w

require 'net/http'
Net::HTTPSession
Net.send(:remove_const, :HTTPSession)
```

Expected behavior

Both of Net::HTTPSession and Net.send(:remove\_const, :HTTPSession) should emit the warning: constant Net::HTTPSession is deprecated .

Actual behavior

Only Net::HTTPSession emits the warnings. Net.send(:remove\_const, :HTTPSession) does not emit any warnings.

```
$ irb -w
irb(main):001> require 'net/http'
irb(main):002>
=> true
irb(main):003> Net::HTTPSession
(irb):3: warning: constant Net::HTTPSession is deprecated
=> Net::HTTP
irb(main):004> Net.send(:remove_const, :HTTPSession)
=> Net::HTTP
```

## Associated revisions

**Revision 9c777f282f8482400d4b0c7993d520c18cb1b652 - 11/19/2024 03:43 AM - nobu (Nobuyoshi Nakada)**

[Bug #20900] Warn deprecated constant when removing

**Revision 9c777f282f8482400d4b0c7993d520c18cb1b652 - 11/19/2024 03:43 AM - nobu (Nobuyoshi Nakada)**

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**Revision 9c777f28 - 11/19/2024 03:43 AM - nobu (Nobuyoshi Nakada)**

[Bug #20900] Warn deprecated constant when removing

## History

**#1 - 11/19/2024 02:43 AM - yahonda (Yasuo Honda)**

I wish the :remove\_const should also emit the warnings so that at least WebMock users can be aware of this change.

Refer to:

[https://github.com/bblimke/webmock/blob/9ff63ac7c845a75278e43236e0128e197f597462/lib/webmock/http\\_lib\\_adapters/net\\_http\\_rb#L18](https://github.com/bblimke/webmock/blob/9ff63ac7c845a75278e43236e0128e197f597462/lib/webmock/http_lib_adapters/net_http_rb#L18)  
[https://github.com/bblimke/webmock/blob/9ff63ac7c845a75278e43236e0128e197f597462/lib/webmock/http\\_lib\\_adapters/net\\_http\\_rb#L25](https://github.com/bblimke/webmock/blob/9ff63ac7c845a75278e43236e0128e197f597462/lib/webmock/http_lib_adapters/net_http_rb#L25)

**#2 - 11/19/2024 03:28 AM - hsbt (Hiroshi SHIBATA)**

I restore HTTPSession at <https://github.com/ruby/net-http/pull/191>.

**#3 - 11/19/2024 04:16 AM - nobu (Nobuyoshi Nakada)**

- Status changed from Open to Closed

Applied in changeset [git|9c777f282f8482400d4b0c7993d520c18cb1b652](https://github.com/ruby/ruby/commit/9c777f282f8482400d4b0c7993d520c18cb1b652).

[Bug #20900] Warn deprecated constant when removing

**#4 - 11/19/2024 09:03 AM - Earlopain (Earlopain \_)**

I think warning on removal is a good thing. It makes compatibility code in webmock a bit more involved but that's totally fine.

hsbt (Hiroshi SHIBATA) wrote in [#note-2](#):

I restore HTTPSession at <https://github.com/ruby/net-http/pull/191>

You added it as Net::HTTP::HTTPSession, it used to be just Net::HTTPSession.

**#5 - 11/19/2024 09:35 AM - hsbt (Hiroshi SHIBATA)**

You added it as Net::HTTP::HTTPSession, it used to be just Net::HTTPSession.

I fixed that at <https://github.com/ruby/ruby/commit/716ea630dbd6cea62049a7a438d7d4f4f84d4aae>

**#6 - 11/19/2024 10:00 AM - Earlopain (Earlopain \_)**

hsbt (Hiroshi SHIBATA) wrote in [#note-5](#):

You added it as Net::HTTP::HTTPSession, it used to be just Net::HTTPSession.

I fixed that at <https://github.com/ruby/ruby/commit/716ea630dbd6cea62049a7a438d7d4f4f84d4aae>

Thanks!