

Ruby - Bug #16914

Hash.new with `default\_proc` returns this `default\_proc` instead of calling it sometimes

05/26/2020 09:45 AM - beauraF (Florent Beaurain)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.7.1p83 (2020-03-31 revision a0c7c23c9c) [x86_64-darwin19]	Backport: 2.5: DONTNEED, 2.6: DONTNEED, 2.7: DONE

Description

Hello,

First of all, I want to apologize because this bug report will not be realized at all in good shape. I encounter this problem on a rails application currently in production, but I am unable to reproduce it. I failed to provide you a script to reproduce. I'm very sorry. But.. maybe it will ring a bell to someone.

So, I have a hash, built this way:

```
messages
  .each_with_object(Hash.new { [] }) { ... }
  .transform_values { ... }

{
  [:appointment, {:import_identifier=>"TVER11111114^ORBIS"}]=>
#<ExternalSyncMessage id: 82, ... >,
  [:appointment, {:import_identifier=>"TVER11111115^ORBIS"}]=>
#<ExternalSyncMessage id: 84, ... >,
  [:appointment, {:import_identifier=>"TVER11111116^ORBIS"}]=>
#<ExternalSyncMessage id: 85, ... >,
  [:appointment, {:id=>"30"}]=>#<ExternalSyncMessage id: 86, ... >,
  [:appointment, {:import_identifier=>"TVER11111111^ORBIS"}]=>
#<ExternalSyncMessage id: 79, ... >,
  [:appointment, {:import_identifier=>"TVER11111112^ORBIS"}]=>
#<ExternalSyncMessage id: 80, ... >,
}
```

Here is the result in ruby 2.6.6p146 (2020-03-31 revision 67876) [x86_64-darwin19] when I try to access it:

```
hash[[:appointment, {:import_identifier=>"TVER11111114^ORBIS"}]]
=> #<ExternalSyncMessage id: 82, ... >

hash[[:appointment, {:import_identifier=>"TVER11111117^ORBIS"}]]
=> nil
```

Here is the result in ruby 2.7.1p83 (2020-03-31 revision a0c7c23c9c) [x86_64-darwin19] when I try to access it:

```
hash[[:appointment, {:import_identifier=>"TVER11111114^ORBIS"}]]
=> #<ExternalSyncMessage id: 82, ... >

hash[[:appointment, {:import_identifier=>"TVER11111117^ORBIS"}]]
=>
#<Proc:0x00007fdc59a6e310 /Users/beauraf/Code/doctolib/doctolib/app/services/sync/farming_support/
retry_inbound_messages.rb:75>

hash[[:appointment, {:import_identifier=>"TVER11111117^ORBIS"}]].call
=> []
```

note: retry_inbound_messages.rb:75 => .each_with_object(Hash.new { [] }) { ... }

So, if I'm right, the result on ruby 2.6, was not the good one but acceptable one on my side. On ruby 2.7, we're close to the good result, but we have to call the proc manually, which causes a lot of worries on my side.

At your entire disposal, if I can help in any way.

Related issues:

Is duplicate of Ruby - Bug #16498: Hash#transform_values in 2.7.0 sets new ha...

Closed

Associated revisions

Revision 05c4c88767b54808cd1459a1d6da11179c422cfa - 07/26/2020 09:32 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 1b4d406e3a04032b6d01e92b6d184a16945c6ac3: [Backport #16498] [Backport #16914]

```
Hash#transform_values should return a plain new Hash
```

[Bug #16498]

Revision 05c4c88767b54808cd1459a1d6da11179c422cfa - 07/26/2020 09:32 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 1b4d406e3a04032b6d01e92b6d184a16945c6ac3: [Backport #16498] [Backport #16914]

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Hash#transform_values should return a plain new Hash
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[Bug #16498]

Revision 05c4c887 - 07/26/2020 09:32 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 1b4d406e3a04032b6d01e92b6d184a16945c6ac3: [Backport #16498] [Backport #16914]

```
Hash#transform_values should return a plain new Hash
```

[Bug #16498]

History

#1 - 05/26/2020 10:02 AM - beauraF (Florent Beaurain)

- Subject changed from Hash.new with a block returns a proc sometimes to Hash.new with `default\_proc` returns this `default\_proc` instead of the result sometimes

#2 - 05/26/2020 10:04 AM - beauraF (Florent Beaurain)

- Subject changed from Hash.new with `default\_proc` returns this `default\_proc` instead of the result sometimes to Hash.new with `default\_proc` returns this `default\_proc` instead of calling it sometimes

#3 - 05/26/2020 01:55 PM - nobu (Nobuyoshi Nakada)

- Related to Bug #16498: Hash#transform_values in 2.7.0 sets new hash's default to old hash's default_proc added

#4 - 05/26/2020 01:56 PM - nobu (Nobuyoshi Nakada)

- Related to deleted (Bug #16498: Hash#transform_values in 2.7.0 sets new hash's default to old hash's default_proc)

#5 - 05/26/2020 01:56 PM - nobu (Nobuyoshi Nakada)

- Is duplicate of Bug #16498: Hash#transform_values in 2.7.0 sets new hash's default to old hash's default_proc added

#6 - 05/26/2020 01:58 PM - nobu (Nobuyoshi Nakada)

- Backport changed from 2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN to 2.5: DONTNEED, 2.6: DONTNEED, 2.7: REQUIRED

#7 - 05/26/2020 01:58 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

#8 - 07/26/2020 09:32 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.5: DONTNEED, 2.6: DONTNEED, 2.7: REQUIRED to 2.5: DONTNEED, 2.6: DONTNEED, 2.7: DONE

ruby_2_7 05c4c88767b54808cd1459a1d6da11179c422cfa merged revision(s) 1b4d406e3a04032b6d01e92b6d184a16945c6ac3.