

Ruby - Bug #17735

`Hash#transform\_keys!` drops non evaluated keys

03/20/2021 06:33 AM - kachick (Kenichi Kamiya)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 3.0.0p0 (2020-12-25 revision 95aff21468) [x86_64-darwin20]	Backport: 2.6: REQUIRED, 2.7: REQUIRED, 3.0: DONE
Description <pre>hash = {a: 1, b: 2, c: 3} hash.transform_values!(){ raise } rescue p hash #=> {:a=>1, :b=>2, :c=>3} hash = {a: 1, b: 2, c: 3} hash.transform_keys!(){ raise } rescue p hash #=> {}</pre> Is this an intentional behavior? I expected behavior like transform_values! in transform_keys! (Keeping non evaluated key-value pairs when exiting the block). PR: https://github.com/ruby/ruby/pull/4294		

Associated revisions

Revision 31e0382723bfb35cffe3ca485dd0577668cafa07 - 03/28/2021 12:14 AM - kachick (Kenichi Kamiya)

Keep non evaluated keys in Hash#transform_keys! [Bug #17735]

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Revision 31e03827 - 03/28/2021 12:14 AM - kachick (Kenichi Kamiya)

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Revision 5e5fb72f99701dc27c66ab148471893f14e6d6f0 - 03/28/2021 12:42 AM - nobu (Nobuyoshi Nakada)

Clear an intermediate hash [Bug #17735]

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Revision 5e5fb72f - 03/28/2021 12:42 AM - nobu (Nobuyoshi Nakada)

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Revision 522d4cd32f7727886f4fcbc28ed29c08d361ee20 - 03/28/2021 05:09 AM - kachick (Kenichi Kamiya)

Force recycle intermediate collection in Hash#transform_keys! [Bug #17735]

- Force recycle intermediate hash
- Force recycle intermediate array too

<https://github.com/ruby/ruby/pull/4329#issuecomment-808840718>

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Revision 522d4cd3 - 03/28/2021 05:09 AM - kachick (Kenichi Kamiya)

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Revision 84d9a9afc0b49d095541acb9832f8b12fb506e19 - 04/15/2021 01:25 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s)

31e0382723bfb35cffe3ca485dd0577668cafa07,5e5fb72f99701dc27c66ab148471893f14e6d6f0,fb6ebe55d91187d9635e0183d47dbf38e95b1141,522d4cd32f7727886f4fbc28ed29c08d361ee20: [Backport #17735]

Keep non evaluated keys in `Hash#transform\_keys!` [Bug #17735]

```
---
hash.c | 6 +++++-
spec/ruby/core/hash/transform_keys_spec.rb | 12 ++++++++--
test/ruby/test_hash.rb | 8 +++++++
3 files changed, 24 insertions(+), 2 deletions(-)
```

Clear an intermediate hash [Bug #17735]

```
---
hash.c | 1 +
1 file changed, 1 insertion(+)
```

Hide an intermediate array

```
---
hash.c | 6 +++++-
1 file changed, 4 insertions(+), 2 deletions(-)
```

Force recycle intermediate collection in Hash#transform_keys! [Bug #17735]

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```
https://github.com/ruby/ruby/pull/4329#issuecomment-808840718
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1 file changed, 2 insertions(+)
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Force recycle intermediate collection in Hash#transform_keys! [Bug #17735]

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<https://github.com/ruby/ruby/pull/4329#issuecomment-808840718>

```
---
hash.c | 2 ++
1 file changed, 2 insertions(+)
```

Revision bb84c75001f1bf13b4b2a12db8f4420e76a3ea03 - 09/14/2021 05:53 AM - kachick (Kenichi Kamiya)

Revert "Force recycle intermediate collection in Hash#transform_keys! [Bug #17735]"

This reverts commit 522d4cd32f7727886f4fcbc28ed29c08d361ee20.

Revision bb84c75001f1bf13b4b2a12db8f4420e76a3ea03 - 09/14/2021 05:53 AM - kachick (Kenichi Kamiya)

Revert "Force recycle intermediate collection in Hash#transform_keys! [Bug #17735]"

This reverts commit 522d4cd32f7727886f4fcbc28ed29c08d361ee20.

Revision bb84c750 - 09/14/2021 05:53 AM - kachick (Kenichi Kamiya)

Revert "Force recycle intermediate collection in Hash#transform_keys! [Bug #17735]"

This reverts commit 522d4cd32f7727886f4fcbc28ed29c08d361ee20.

Revision 98ac62de5cb03efec0fb32684c61c0d4df692e5a - 09/18/2021 07:23 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) bb84c75001f1bf13b4b2a12db8f4420e76a3ea03: [Backport #17735]

```
Revert "Force recycle intermediate collection in Hash#transform_keys!
[Bug #17735]"
```

```
This reverts commit 522d4cd32f7727886f4fcbc28ed29c08d361ee20.
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hash.c | 1 -
1 file changed, 1 deletion(-)
```

Revision 98ac62de5cb03efec0fb32684c61c0d4df692e5a - 09/18/2021 07:23 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) bb84c75001f1bf13b4b2a12db8f4420e76a3ea03: [Backport #17735]

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This reverts commit 522d4cd32f7727886f4fcbc28ed29c08d361ee20.
---
hash.c | 1 -
1 file changed, 1 deletion(-)
```

Revision 98ac62de - 09/18/2021 07:23 AM - nagachika (Tomoyuki Chikanaga)

merge revision(s) bb84c75001f1bf13b4b2a12db8f4420e76a3ea03: [Backport #17735]

```
Revert "Force recycle intermediate collection in Hash#transform_keys!
[Bug #17735]"
```

```
This reverts commit 522d4cd32f7727886f4fcbc28ed29c08d361ee20.
---
hash.c | 1 -
1 file changed, 1 deletion(-)
```

History

#1 - 03/20/2021 08:52 AM - nobu (Nobuyoshi Nakada)

These are just a bug, not a spec.

```
ruby_version_is "...2.5.1" do
  it "partially modifies the contents if we broke from the block" do
    @hash.transform_keys! do |v|
      break if v == :c
      v.succ
    end
    @hash.should == { c: 1, d: 4 }
  end
end
```

```
ruby_version_is "2.5.1" do
  it "returns the processed keys if we broke from the block" do
    @hash.transform_keys! do |v|
      break if v == :c
      v.succ
    end
    @hash.should == { b: 1, c: 2 }
  end
end
```

#2 - 03/28/2021 12:15 AM - kachick (Kenichi Kamiya)

- Status changed from Open to Closed

Applied in changeset [git|31e0382723bfb35cffe3ca485dd0577668cafa07](https://github.com/ruby/ruby/commit/31e0382723bfb35cffe3ca485dd0577668cafa07).

Keep non evaluated keys in Hash#transform_keys! [Bug [#17735](#)]

#3 - 03/28/2021 09:55 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.5: UNKNOWN, 2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN to 2.5: UNKNOWN, 2.6: REQUIRED, 2.7: REQUIRED, 3.0: REQUIRED

I have confirmed that the issue is reproducible on 2.6/2.7 too.

#4 - 04/15/2021 01:29 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.5: UNKNOWN, 2.6: REQUIRED, 2.7: REQUIRED, 3.0: REQUIRED to 2.5: UNKNOWN, 2.6: REQUIRED, 2.7: REQUIRED, 3.0: DONE

ruby_3_0 84d9a9afc0b49d095541acb9832f8b12fb506e19 merged revision(s)
31e0382723bfb35cffe3ca485dd0577668cafa07,5e5fb72f99701dc27c66ab148471893f14e6d6f0,fb6ebe55d91187d9635e0183d47dbf38e95b1141,522d4cd32f7727886f4fcbc28ed29c08d361ee20.

#5 - 09/14/2021 10:24 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.5: UNKNOWN, 2.6: REQUIRED, 2.7: REQUIRED, 3.0: DONE to 2.6: REQUIRED, 2.7: REQUIRED, 3.0: REQUIRED

522d4cd32f7727886f4fcbc28ed29c08d361ee20 was reverted at bb84c75001f1bf13b4b2a12db8f4420e76a3ea03. Should I backport it into ruby_3_0?

#6 - 09/18/2021 07:51 AM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.6: REQUIRED, 2.7: REQUIRED, 3.0: REQUIRED to 2.6: REQUIRED, 2.7: REQUIRED, 3.0: DONE

Additionally backported bb84c75001f1bf13b4b2a12db8f4420e76a3ea03 into ruby_3_0 at 98ac62de5cb03efec0fb32684c61c0d4df692e5a.