

## Ruby master - Feature #12063

### KeyError#receiver and KeyError#name

02/11/2016 01:41 PM - ksss (Yuki Kurihara)

<b>Status:</b>	Closed
<b>Priority:</b>	Normal
<b>Assignee:</b>	
<b>Target version:</b>	
<b>Description</b>	
I propose <b>KeyError#receiver</b> and <b>KeyError#name</b> (or <b>KeyError#key</b> ) like <b>NameError</b> .	
I think these method help to debug. And will be able to find typo on <code>did_you_mean</code> gem.	
See also <a href="https://github.com/yuki24/did_you_mean/pull/71">https://github.com/yuki24/did_you_mean/pull/71</a>	
<pre>begin   h = {foo: 1, bar: 2}   h.fetch(:bax) rescue KeyError =&gt; e   p e.receiver #=&gt; {foo: 1, bar: 2} equal `h`   p e.name     #=&gt; :bax end</pre>	
<pre>begin   h = {foo: 1, bar: 2, baz: 3}   h.fetch_values(:bar, :bax) rescue KeyError =&gt; e   p e.receiver #=&gt; {foo: 1, bar: 2, baz: 3} equal `h`   p e.name     #=&gt; :bax end</pre>	
<pre>begin   ENV.fetch("HOEM") rescue KeyError =&gt; e   p e.receiver #=&gt; ENV   p e.name     #=&gt; "HOEM" end</pre>	
<pre>begin   sprintf("%&lt;foo&gt;d", {fooo: 1}) rescue KeyError =&gt; e   p e.receiver #=&gt; {fooo: 1}   p e.name     #=&gt; :foo end</pre>	

#### Associated revisions

##### Revision 13f5dcb9 - 09/18/2017 08:05 AM - nobu (Nobuyoshi Nakada)

error.c: **KeyError#receiver** and **KeyError#key**

- error.c: new method **KeyError#receiver** and **KeyError#key**.  
[Feature #12063]
- hash.c: make **KeyError** object with receiver and key.
- sprintf.c: ditto.

Author: ksss [co000ri@gmail.com](mailto:co000ri@gmail.com)

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@59955 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

**Revision 59955 - 09/18/2017 08:05 AM - nobu (Nobuyoshi Nakada)**

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Author: ksss [co000ri@gmail.com](mailto:co000ri@gmail.com)

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Author: ksss [co000ri@gmail.com](mailto:co000ri@gmail.com)

## History

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**#1 - 02/16/2016 02:56 PM - ksss (Yuki Kurihara)**

I made a patch <https://github.com/ruby/ruby/pull/1251>

**#2 - 10/26/2016 11:30 AM - ferdinandrosario@gmail.com (ferdinand rosario)**

- Assignee set to *ruby-core*

**#3 - 10/26/2016 11:59 AM - hsbt (Hiroshi SHIBATA)**

- Assignee deleted (*ruby-core*)

**#4 - 11/25/2016 06:22 AM - matz (Yukihiro Matsumoto)**

Agreed.

Matz.

**#5 - 04/02/2017 06:23 AM - ksss (Yuki Kurihara)**

Which method name is best?

"**name**" referenced from "**NameError**".

But I think, "**key**" is also good. Because this is "**KeyError**" method.

The patch on github is using "**key**".

Thanks.

**#6 - 04/02/2017 10:00 AM - Eregon (Benoit Daloze)**

I think "name" is more consistent with other exceptions, such as NameError#name and NoMethodError#name (by inheritance).

**#7 - 06/16/2017 08:23 AM - matz (Yukihiro Matsumoto)**

Keys may not be names (strings and symbols), so I think key is a sufficient name for the method.

Matz.

**#8 - 09/18/2017 08:05 AM - nobu (Nobuyoshi Nakada)**

- *Status changed from Open to Closed*

Applied in changeset [trunk|r59955](#).

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