

Ruby master - Bug #12884

Using a HashWithIndifferentAccess with a default value in a function with a keyword parameter converts it to a Hash.

10/29/2016 09:29 PM - mderelle (Mathieu Derelle)

Status: Closed	
Priority: Normal	
Assignee:	
Target version:	
ruby -v: 2.3.1	Backport: 2.1: DONTNEED, 2.2: DONE, 2.3: DONE, 2.4: DONE
Description	
<p>A strange bug that broke our production when migrating from 2.1.9 to 2.2.5 (still present in 2.3.1) It involves HashWithIndifferentAccess from active support. The version used is 3.2.22.4 (against all ruby versions)</p> <p>Here's a bit of code to reproduce it :</p> <pre>def test(params = HashWithIndifferentAccess.new, disrupter: nil) params.class end x = HashWithIndifferentAccess.new x[:foo] = 'bar' test x # 2.3.1 => Hash # 2.2.5 => Hash # 2.1.9 => HashWithIndifferentAccess</pre> <p>But this only happens if there is a keyword parameter AND a default value for your HashWithIndifferentAccess parameter :</p> <p>Not using a keyword parameter doesn't change the type</p> <pre>def test(params = HashWithIndifferentAccess.new, disrupter = nil) params.class end x = HashWithIndifferentAccess.new x[:foo] = 'bar' test x # 2.3.1 => HashWithIndifferentAccess # 2.2.5 => HashWithIndifferentAccess # 2.1.9 => HashWithIndifferentAccess</pre> <p>Not using a default value don't change the type</p> <pre>def test(params, disrupter: nil) params.class end x = HashWithIndifferentAccess.new x[:foo] = 'bar' test x # 2.3.1 => HashWithIndifferentAccess # 2.2.5 => HashWithIndifferentAccess # 2.1.9 => HashWithIndifferentAccess</pre>	
Related issues:	
Is duplicate of Ruby master - Bug #12821: Object converted to Hash unexpected...	Closed
Associated revisions	
Revision 13dff8a - 01/18/2017 03:38 AM - nobu (Nobuyoshi Nakada)	

class.c: non-keyword hash class

- class.c (rb_extract_keywords): keep the class of non-keyword elements hash as the original. [ruby-core:77813] [Bug #12884]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@57360 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 57360 - 01/18/2017 03:38 AM - nobu (Nobuyoshi Nakada)

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Revision 490691c6 - 03/11/2017 05:17 PM - naruse (Yui NARUSE)

merge revision(s) 57360: [Backport #12884]

```
class.c: non-keyword hash class
```

```
* class.c (rb_extract_keywords): keep the class of non-keyword
elements hash as the original. [ruby-core:77813] [Bug #12884]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_4@57861 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 57861 - 03/11/2017 05:17 PM - naruse (Yui NARUSE)

merge revision(s) 57360: [Backport #12884]

```
class.c: non-keyword hash class
```

```
* class.c (rb_extract_keywords): keep the class of non-keyword
elements hash as the original. [ruby-core:77813] [Bug #12884]
```

Revision d8b81e52 - 03/25/2017 03:39 PM - usa (Usaku NAKAMURA)

merge revision(s) 57360: [Backport #12884]

```
class.c: non-keyword hash class
```

```
* class.c (rb_extract_keywords): keep the class of non-keyword
elements hash as the original. [ruby-core:77813] [Bug #12884]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_2@58092 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 58092 - 03/25/2017 03:39 PM - usa (Usaku NAKAMURA)

merge revision(s) 57360: [Backport #12884]

```
class.c: non-keyword hash class
```

```
* class.c (rb_extract_keywords): keep the class of non-keyword
elements hash as the original. [ruby-core:77813] [Bug #12884]
```

Revision ba81af97 - 03/27/2017 04:05 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 57360: [Backport #12884]

```
class.c: non-keyword hash class
```

```
* class.c (rb_extract_keywords): keep the class of non-keyword
elements hash as the original. [ruby-core:77813] [Bug #12884]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_3@58167 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 58167 - 03/27/2017 04:05 PM - nagachika (Tomoyuki Chikanaga)

merge revision(s) 57360: [Backport #12884]

```
class.c: non-keyword hash class
```

```
* class.c (rb_extract_keywords): keep the class of non-keyword  
elements hash as the original. [ruby-core:77813] [Bug #12884]
```

History

#1 - 10/31/2016 02:57 AM - shyouhei (Shyouhei Urabe)

(Just to be clear) It has nothing to do with HWIA. I can reproduce the situation without it.

```
class X < Hash; end
```

```
def test(params = X.new, disrupter: nil)  
  return params  
end
```

```
x = X.new  
x['foo'] = 'bar'  
p test(x).class
```

#2 - 10/31/2016 04:45 AM - shyouhei (Shyouhei Urabe)

- Is duplicate of Bug #12821: Object converted to Hash unexpectedly under certain method call added

#3 - 01/18/2017 03:38 AM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Applied in changeset r57360.

```
class.c: non-keyword hash class
```

- class.c (rb_extract_keywords): keep the class of non-keyword elements hash as the original. [ruby-core:77813] [Bug [#12884](#)]

#4 - 03/11/2017 05:17 PM - naruse (Yui NARUSE)

- Backport changed from 2.1: DONTNEED, 2.2: REQUIRED, 2.3: REQUIRED to 2.1: DONTNEED, 2.2: REQUIRED, 2.3: REQUIRED, 2.4: DONE

ruby_2_4 r57861 merged revision(s) 57360.

#5 - 03/25/2017 03:39 PM - usa (Usaku NAKAMURA)

- Backport changed from 2.1: DONTNEED, 2.2: REQUIRED, 2.3: REQUIRED, 2.4: DONE to 2.1: DONTNEED, 2.2: DONE, 2.3: REQUIRED, 2.4: DONE

ruby_2_2 r58092 merged revision(s) 57360.

#6 - 03/27/2017 04:05 PM - nagachika (Tomoyuki Chikanaga)

- Backport changed from 2.1: DONTNEED, 2.2: DONE, 2.3: REQUIRED, 2.4: DONE to 2.1: DONTNEED, 2.2: DONE, 2.3: DONE, 2.4: DONE

ruby_2_3 r58167 merged revision(s) 57360.