

Ruby trunk - Bug #5406

inconsistent odd-length array rejection in Hash[*ary] vs Hash[ary]

10/05/2011 02:50 AM - sunaku (Suraj Kurapati)

Status: Closed	
Priority: Normal	
Assignee: nobu (Nobuyoshi Nakada)	
Target version: 2.0.0	
ruby -v: ruby 1.9.2p290 (2011-07-09 revision 32553) [x86_64-linux]	Backport:

Description

Hello,

Hash[*ary] raises an error when given odd number of arguments:

```
Hash.  
ArgumentError: odd number of arguments for Hash  
from (irb):3:in []'  
from (irb):3  
from /usr/bin/irb:12:in'
```

In contrast, Hash[ary] silently accepts odd-length arrays:

```
Hash.  
{}  
Hash.  
{  
  1 => 2  
}  
Hash.1, 2], [3" class="external">  
{  
  1 => 2,  
  3 => nil  
}  
Hash.1, 2], [3, 4, 5" class="external">  
{  
  1 => 2  
}
```

I think this behavior is inconsistent. Please either:

(1) change Hash[ary] to raise errors upon seeing odd-length arrays or

(2) change Hash[*ary] to not raise an error for odd number of arguments and instead accept the last odd argument as a key with value nil, just like this existing behavior:

```
Hash.1, 2], [3" class="external">  
{  
  1 => 2,  
  3 => nil  
}
```

Thanks for your consideration.

Related issues:

Related to Ruby trunk - Bug #1385: Wonderful undocumented feature in Ruby 1.8...

Closed

04/17/2009

Associated revisions

Revision 8d6add97 - 07/14/2012 08:08 AM - nobu (Nobuyoshi Nakada)

hash.c: raise on invalid input

- hash.c (rb_hash_s_create): raise an exception, when input elements are not one or two elements arrays. [ruby-core:39945] [Bug #5406]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@36391 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 36391 - 07/14/2012 08:08 AM - nobu (Nobuyoshi Nakada)

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History

#1 - 03/11/2012 04:14 PM - ko1 (Koichi Sasada)

- Category set to core

- Status changed from Open to Assigned

- Assignee set to matz (Yukihiro Matsumoto)

#2 - 07/14/2012 03:12 PM - matz (Yukihiro Matsumoto)

- Assignee changed from matz (Yukihiro Matsumoto) to nobu (Nobuyoshi Nakada)

Hash should raise an exception, when invalid input comes.

Matz.

#3 - 07/14/2012 05:08 PM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r36391.

Suraj, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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