

## Ruby master - Bug #7300

Hash#[nil] 1.9.3

11/07/2012 05:05 PM - hsbt (Hiroshi SHIBATA)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> mame (Yusuke Endoh)	
<b>Target version:</b> 2.7	
<b>ruby -v:</b> ruby 2.0.0dev (2012-11-07) [x86_64-darwin12.2.0]	<b>Backport:</b> 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: UNKNOWN
<b>Description</b> Hash#[nil] 1.9.3 {} ArgumentError  2.0.0 2.0.0 duplicate 	

### Associated revisions

#### Revision 5051186a - 11/11/2012 06:39 AM - nobu (Nobuyoshi Nakada)

hash.c: warn for wrong elements

- hash.c (rb\_hash\_s\_create): just warn for wrong elements now. [ruby-dev:46440] [Bug #7300]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@37621 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

#### Revision 37621 - 11/11/2012 06:39 AM - nobu (Nobuyoshi Nakada)

hash.c: warn for wrong elements

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#### Revision d3f1c615 - 05/22/2019 03:19 PM - mame (Yusuke Endoh)

hash.c (rb\_hash\_s\_create): Reject Hash#[nil]

The behavior of Hash#[nil] #=> {} was a bug until 1.9.3, but had been

remained with a warning because some programs depended upon it.  
Now, six years passed. We can remove the compatibility behavior.  
[Bug #7300]

## History

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### #1 - 11/07/2012 06:02 PM - knu (Akinori MUSHYA)

```
Hash[enum.map {|x| x > 0 ? [x, x*x] : nil }]
Hash[enum.flat_map {|x| x > 0 ? [x, x*x] : [] }] # 1.9+ only
```

Hash

```
Hash[enum.map {|x| x > 0 ? [x, x*x] : nil }]
```

```
Hash[enum.flat_map {|x| x > 0 ? [x, x*x] : [] }] # 1.9+ only
Hash[enum.flat_map {|x| x > 0 ? [x, x*x] : [] }].tap { |h| enum.each {|x| x > 0 and h[x] = x*x } }
```

```
Hash[enum.map {|x| x > 0 ? [x, x*x] : nil }.compact] # minimum change
Hash[enum.flat_map {|x| x > 0 ? [x, x*x] : [] }] # 1.9+ only
{}.tap { |h| enum.each {|x| x > 0 and h[x] = x*x } }
```

### #2 - 11/07/2012 06:04 PM - knu (Akinori MUSHYA)

```
Hash
```

```
Hash[enum.map {|x| x > 0 ? [x, x*x] : nil }.compact] # minimum change
Hash[*enum.flat_map {|x| x > 0 ? [x, x*x] : [] }] # 1.9+ only
{}.tap { |h| enum.each {|x| x > 0 and h[x] = x*x } }
```

Hash

### #3 - 11/07/2012 10:51 PM - hsbt (Hiroshi SHIBATA)

```
Hash
```

[https://github.com/apotonick/cells/blob/master/lib/cell/test\\_case.rb#L78](https://github.com/apotonick/cells/blob/master/lib/cell/test_case.rb#L78)

```
Hash[[nil, nil, nil, ...]]
Hash[enum.flat_map {|x| x > 0 ? [x, x*x] : [] }]
```

### #4 - 11/07/2012 11:09 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to nobu (Nobuyoshi Nakada)

```
Hash
```

hsbt (Hiroshi SHIBATA) wrote:

```
Hash
```

compact Hash (compact) Hash

```
Hash (RSpec)
Hash
```

--

Yusuke Endoh [mame@tsg.ne.jp](mailto:mame@tsg.ne.jp)

### #5 - 11/08/2012 06:45 AM - hsbt (Hiroshi SHIBATA)

```
Hash
```

```
2.0.0 Hash Rails Hash
```

### #6 - 11/09/2012 11:35 PM - nobu (Nobuyoshi Nakada)

- Description updated

### #7 - 11/09/2012 11:45 PM - nobu (Nobuyoshi Nakada)

```
Hash
```

**#8 - 11/10/2012 07:43 AM - hsbt (Hiroshi SHIBATA)**

redis-rb ruby redis

<https://github.com/redis/redis-rb/blob/master/lib/redis.rb#L182>

```
redis-rb [nil, ["redis_version", "2.6.4"], ...] Hash[]
nil [nil, nil, ...] [nil, ["valid", "valid"], ...] nil
```

**#9 - 11/11/2012 03:39 PM - nobu (Nobuyoshi Nakada)**

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r37621.  
Hiroshi, thank you for reporting this issue.  
Your contribution to Ruby is greatly appreciated.  
May Ruby be with you.

hash.c: warn for wrong elements

- hash.c (rb\_hash\_s\_create): just warn for wrong elements now. [ruby-dev:46440] [Bug #7300]

**#10 - 12/26/2018 08:07 AM - mame (Yusuke Endoh)**

- Target version changed from 2.0.0 to 2.7
- Status changed from Closed to Open
- File remove-hash-constructor-compatibility.patch added

1.9 Hash[[nil]] 2.0.0

```
$ ruby -ve 'Hash[[nil]]'
ruby 2.6.0p0 (2018-12-25 revision 66547) [x86_64-linux]
-e:1: warning: wrong element type nil at 0 (expected array)
-e:1: warning: ignoring wrong elements is deprecated, remove them explicitly
-e:1: warning: this causes ArgumentError in the next release
```

2.7

**#11 - 03/20/2019 01:30 AM - hsbt (Hiroshi SHIBATA)**

**#12 - 03/20/2019 01:30 AM - hsbt (Hiroshi SHIBATA)**

- Status changed from Open to Assigned

**#13 - 05/15/2019 12:59 PM - nobu (Nobuyoshi Nakada)**

- Description updated

**#14 - 05/22/2019 07:10 AM - nobu (Nobuyoshi Nakada)**

- Assignee changed from nobu (Nobuyoshi Nakada) to mame (Yusuke Endoh)

**#15 - 05/22/2019 03:20 PM - mame (Yusuke Endoh)**

- Status changed from Assigned to Closed

Applied in changeset [git\[d3f1c615c5b81319e422e9c92e1cb8ba82209fba\]](https://github.com/redis/redis-rb/commit/d3f1c615c5b81319e422e9c92e1cb8ba82209fba).

hash.c (rb\_hash\_s\_create): Reject Hash[[nil]]

The behavior of Hash[[nil]] #=> {} was a bug until 1.9.3, but had been remained with a warning because some programs depended upon it. Now, six years passed. We can remove the compatibility behavior. [Bug #7300]

**Files**

