

## Ruby master - Feature #10017

### Add `Hash#fetch\_values`

07/08/2014 10:37 PM - wojtekmach (Wojtek Mach)

|   |                           |
|---|---------------------------|
| <b>Status:</b>  | Closed                    |
| <b>Priority:</b>  | Normal                    |
| <b>Assignee:</b>  | matz (Yukihiro Matsumoto) |
| <b>Target version:</b>  |                           |
| <b>Description</b>  |                           |
| <p>I'm proposing to add a new method <code>Hash#values_at!</code> that's basically a combination of <code>#values_at</code> and <code>#fetch</code>.</p> <p>When dealing with configuration I prefer to use <code>#fetch</code> to fail early and this would be useful to read multiple keys at a time. An example (not strictly on a Hash, but you get the idea) could be:</p> <pre>repo, token = ENV.values_at!('GITHUB_REPO', 'GITHUB_TOKEN')</pre> <pre>ENV.values_at!('INVALID') # raises KeyError</pre> <pre># not sure if that useful, but I provide it here for the sake of completeness ENV.values_at!("SHELL", "INVALID") {  k  k + " is missing" } # =&gt; ["/bin/bash", "INVALID is missing"]</pre> <p>Another name for this could be <code>#fetch_at</code>, perhaps.</p> <p>P.S. I'm attaching a patch that was done using mostly trial and error</p> |                           |

#### Associated revisions

##### Revision 86eaa245 - 06/12/2015 08:34 AM - nobu (Nobuyoshi Nakada)

hash.c: fetch\_values

- hash.c (rb\_hash\_fetch\_values): add Hash#fetch\_values. [Feature #10017] [Fix GH-776]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@50845 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 50845 - 06/12/2015 08:34 AM - nobu (Nobuyoshi Nakada)

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#### History

**#1 - 07/09/2014 04:04 AM - shyouhei (Shyouhei Urabe)**

fetch\_at sounds much better than values\_at! to me.

**#2 - 07/09/2014 02:12 PM - nobu (Nobuyoshi Nakada)**

- Description updated

+1 for fetch\_at.

**#3 - 07/09/2014 07:00 PM - wojtekmach (Wojtek Mach)**

- File fetch\_at.patch added

I attached another patch calling this method fetch\_at and I also added missing tests (I couldn't change issue title & body to reflect this changes, though).

Also, perhaps out of scope for this ticket but I'm wondering what're your thoughts about adding #fetch\_at to ENV and Array too.

**#4 - 07/09/2014 07:28 PM - avit (Andrew Vit)**

Please consider the name fetch\_at carefully: it seems easily confused with fetch (1 key), and the name doesn't hint that it's for multiple keys. (values\_at is plural, so it gives a good clue.) Maybe fetch\_values?

**#5 - 07/24/2014 08:42 PM - wojtekmach (Wojtek Mach)**

Andrew Vit wrote:

Please consider the name fetch\_at carefully: it seems easily confused with fetch (1 key), and the name doesn't hint that it's for multiple keys. (values\_at is plural, so it gives a good clue.) Maybe fetch\_values?

Personally, I prefer fetch\_at but fetch\_values (or fetch\_values\_at) is also good!

I'm curious what other core developers think.

**#6 - 09/14/2014 10:23 AM - matz (Yukihiko Matsumoto)**

For the reason Andrew pointed out, I also prefer #fetch\_values. Maybe we need to conduct voting?

Matz.

**#7 - 09/20/2014 03:23 AM - jihwans (Jihwan Song)**

one vote for #values\_at

**#8 - 09/20/2014 08:15 AM - phluid61 (Matthew Kerwin)**

-1 for values\_at! (this isn't a "!" method)

+0 for fetch\_at (it's not clear that it isn't just an alias for #fetch)

+1 for fetch\_values

**#9 - 10/13/2014 10:10 AM - wojtekmach (Wojtek Mach)**

Should we get some more votes here, or should I just change my patch to use fetch\_values?

**#10 - 12/03/2014 09:49 PM - wojtekmach (Wojtek Mach)**

I submitted PR for this change: <https://github.com/ruby/ruby/pull/776> calling the method fetch\_values.

**#11 - 02/02/2015 04:29 AM - nobu (Nobuyoshi Nakada)**

- Status changed from Open to Assigned

- Assignee set to matz (Yukihiko Matsumoto)

Matz, can we introduce this Hash#fetch\_values?

**#12 - 06/02/2015 09:42 PM - wojtekmach (Wojtek Mach)**

- Subject changed from Add `Hash#values\_at!` to Add `Hash#fetch\_values!`

Hi, please let me know if there's anything I can do to move this ticket forward.

**#13 - 06/02/2015 09:42 PM - wojtekmach (Wojtek Mach)**

- Subject changed from Add `Hash#fetch\_values!` to Add `Hash#fetch\_values`

**#14 - 06/12/2015 07:17 AM - matz (Yukihiko Matsumoto)**

#fetch\_values approved.

Matz.

**#15 - 06/12/2015 08:34 AM - nobu (Nobuyoshi Nakada)**

- Status changed from Assigned to Closed

Applied in changeset r50845.

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hash.c: fetch\_values

- hash.c (rb\_hash\_fetch\_values): add Hash#fetch\_values. [Feature [#10017](#)] [Fix GH-776]

**Files**

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|                      |         |            |                          |
|----------------------|---------|------------|--------------------------|
| values_at_bang.patch | 1.53 KB | 07/08/2014 | wojtekmach (Wojtek Mach) |
| fetch_at.patch       | 2.18 KB | 07/09/2014 | wojtekmach (Wojtek Mach) |