

## Ruby trunk - Feature #15374

### Proposal: Enable refinements to `#method\_missing`

12/03/2018 11:07 AM - osyo (manga osyo)

<b>Status:</b>	Rejected
<b>Priority:</b>	Normal
<b>Assignee:</b>	
<b>Target version:</b>	
<b>Description</b>	
Proposal enable refinements to <code>#method_missing</code> . It can be used in the following cases.	
<pre># Access key value with method using Module.new {   refine Hash do     # name is Symbol or String     def method_missing(name)       self[name.to_sym]    self[name.to_s]     end   end end }</pre>	
<pre>hash = { name: "homu", "age" =&gt; 14 } pp hash.name # =&gt; "homu" pp hash.age # =&gt; "age"</pre>	
method_missing is hard hacking. I would like to use Refinements with method_missing.	
pull request: <a href="https://github.com/ruby/ruby/pull/2036">https://github.com/ruby/ruby/pull/2036</a>	

### History

#### #1 - 12/03/2018 03:29 PM - Hanmac (Hans Mackowiak)

i always like the fun you can do with method\_missing, but for your example, method\_missing always use a symbol for the name, so name.to\_sym should just return self or did you do that on purpose?

#### #2 - 12/04/2018 11:22 AM - osyo (manga osyo)

oops, that's right.

#### #3 - 02/06/2019 07:54 PM - Eregon (Benoit Daloze)

This wouldn't work, e.g. for hash.first, or any existing method of Hash.

Can you show a use case for this feature?

#### #4 - 02/07/2019 04:13 AM - osyo (manga osyo)

Yes, it will be the specification of Ruby.

method\_missing has a large side effect.

So can use using to control by context.

```
module HashWithAsscessKeyToMethod
  refine Hash do
    # name is Symbol or String
    def method_missing(name)
      self[name] || self[name.to_s]
    end
  end
end

# Do not want to use Hash#method_missing
```

```
hash = { name: "homu", age: 14 }  
pp hash[:name]      # OK  
# pp hash.name     # NG
```

```
# Do want to use Hash#method_missing  
using HashWithAsscessKeyToMethod  
pp hash.name       # OK
```

User can choose.

**#5 - 02/07/2019 07:59 AM - matz (Yukihiko Matsumoto)**

*- Status changed from Open to Rejected*

I don't see any real-world usage of allowing #method\_missing refinable. Maybe it can be used only for tricks and obfuscated code.

Matz.

**#6 - 02/08/2019 12:02 AM - osyo (manga osyo)**

OK, Thanks matz :)