Proposal: Enable refinements to `#method_missing`

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

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**Description**

Proposal enable refinements to `#method_missing`. It can be used in the following cases.

```ruby
# 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
}
hash = { name: "homu", "age" => 14 }
pp hash.name  #=> "homu"
pp hash.age   #=> "age"
```

method_missing is hard hacking.
I would like to use Refinements with method_missing.

pull request: [https://github.com/ruby/ruby/pull/2036](https://github.com/ruby/ruby/pull/2036)

**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.

```ruby
module HashWithAccessKeyToMethod
  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 (Yukihiro 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 :)