

## Ruby master - Feature #6241

### Module#method\_defined? with inherited flag

04/01/2012 09:01 AM - nobu (Nobuyoshi Nakada)

|   |                           |                          |
|---|---------------------------|--------------------------|
| <b>Status:</b>  | Rejected                  |                          |
| <b>Priority:</b>  | Normal                    |                          |
| <b>Assignee:</b>  | matz (Yukihiro Matsumoto) |                          |
| <b>Target version:</b>  | 2.6                       |                          |
| <b>Description</b>  |                           |                          |
| <pre>=begin Currently (Module#method_defined?) does not accept "({inherited})" flags as (Module#instance_methods) and others. To tell if a method is defined at an exact class/module, we have to use bad idiom:  mod.instance_methods(false).include?(:foo)  So I propose to let (method_defined?) and etc accept the flag. =end</pre> |                           |                          |
| <b>Related issues:</b>  |                           |                          |
| Related to Ruby master - Feature #5673: undef_method probably doesn't need to...  |                           | <a href="#">Feedback</a> |

#### History

##### #1 - 04/01/2012 09:15 AM - nobu (Nobuyoshi Nakada)

- Tracker changed from Bug to Feature

##### #2 - 04/02/2012 06:05 AM - trans (Thomas Sawyer)

I think this is certainly a good idea. But I want to also point out that it's not always ideal either b/c #method\_defined? reports false for private/protected methods. So in cases where the method in question might not have known visibility one would have to do:

```
if method_defined?(:foo) or private_method_defined?(:foo) or protected_method_defined?(:foo)
```

which sucks. Of course, this has always been an issue with #instance\_methods too.

Perhaps now that named parameters are coming into their own, the interface should be modified to handle options?

```
method_defined?(:foo, all: true, inherited: false)
```

##### #3 - 10/31/2012 02:19 AM - matz (Yukihiro Matsumoto)

- Status changed from Assigned to Rejected

- Target version changed from 2.0.0 to 2.6

Tomas has a point. We cannot accept the original idea. So I reject this proposal. Try again.

In general I am not a big fan of inherited flag, since most inheritance works rather as composition in Ruby.

Matz.

#### Files

|                           |         |            |                         |
|---------------------------|---------|------------|-------------------------|
| 0001-inherited-flag.patch | 8.69 KB | 04/01/2012 | nobu (Nobuyoshi Nakada) |
|---------------------------|---------|------------|-------------------------|