

Ruby - Feature #15777

autoload?(cname, inherit=true)

04/19/2019 09:54 PM - fxn (Xavier Noria)

Status:	Closed	
Priority:	Normal	
Assignee:	nobu (Nobuyoshi Nakada)	
Target version:		
Description Zeitwerk needs to be able to check if a given class or module has an autoload defined for a certain constant name, that would be autoload?(cname, false), similar to const_defined?(cname, false).		

Associated revisions

Revision fb85a428605265a8fd449b0702a4dd88cb6f3b20 - 06/21/2019 08:28 AM - byroot (Jean Boussier)

Add an optional inherit argument to Module#autoload?

[Feature #15777]

Closes: <https://github.com/ruby/ruby/pull/2173>

Revision 5b7cc63d114fbca641ce2d93c7b3f2117e38af60 - 06/21/2019 08:28 AM - nobu (Nobuyoshi Nakada)

Turned recur into int [Feature #15777]

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Revision 5b7cc63d114fbca641ce2d93c7b3f2117e38af60 - 06/21/2019 08:28 AM - nobu (Nobuyoshi Nakada)

Turned recur into int [Feature #15777]

Revision fb85a428 - 06/21/2019 08:28 AM - byroot (Jean Boussier)

Add an optional inherit argument to Module#autoload?

[Feature #15777]

Closes: <https://github.com/ruby/ruby/pull/2173>

Revision 5b7cc63d - 06/21/2019 08:28 AM - nobu (Nobuyoshi Nakada)

Turned recur into int [Feature #15777]

History

#1 - 04/20/2019 08:18 AM - fxn (Xavier Noria)

- Description updated

#2 - 05/07/2019 11:13 AM - byroot (Jean Boussier)

I made a patch for this feature: <https://github.com/ruby/ruby/pull/2173>

#3 - 06/13/2019 05:59 AM - nobu (Nobuyoshi Nakada)

Changing the signature of rb_autoload_p could break API compatibility.

I think we'll need another function for it.

Maybe rb_autoload_at_p like as rb_const_defined_at?

#4 - 06/19/2019 02:24 PM - byroot (Jean Boussier)

[@nobu \(Nobuyoshi Nakada\)](#) I edited the patch the way you suggested. Let me know if you desire further changes.

#5 - 06/20/2019 05:22 AM - nobu (Nobuyoshi Nakada)

Is it necessary to export `rb_autoload_at_p`?
Do you have the plan to use it in extension libraries?

#6 - 06/20/2019 06:49 AM - nobu (Nobuyoshi Nakada)

byroot (Jean Boussier) wrote:

Let me know if you desire further changes.

Fix the bug first.

In `rb_autoload_at_p`, this condition is wrong.

```
- while (!autoload_defined_p(mod, id)) {  
+ while (RTEST(recur) && autoload_defined_p(mod, id)) {
```

Leave it unchanged but return nil if not recur in that loop.

#7 - 06/20/2019 07:20 PM - byroot (Jean Boussier)

Is it necessary to export `rb_autoload_at_p`?
Do you have the plan to use it in extension libraries?

~~No I have no such plan. I did so because it's defined in `variable.c` but called from `load.c` so without that declaration it won't compile:~~

```
load.c:1180:12: error: implicit declaration of function 'rb_autoload_at_p' is invalid in C99 [-Werror,-Wimplicit-function-declaration]  
    return rb_autoload_at_p(mod, id, recur);
```

~~I'm quite a MRI & C beginner though, so if there is a better way to do it I'll gladly change it.~~

[@Eregon \(Benoit Daloze\)](#) told me which place to declare internal functions. It's now in `internal.h`

return nil if not recur in that loop.

Done.

#8 - 06/21/2019 08:13 AM - Eregon (Benoit Daloze)

- Assignee set to nobu (Nobuyoshi Nakada)

The new patch looks fine to me.

[@nobu \(Nobuyoshi Nakada\)](#) I'll let you merge it since you did most of the review.

#9 - 06/21/2019 08:29 AM - byroot (Jean Boussier)

- Status changed from Open to Closed

Applied in changeset [git|fb85a428605265a8fd449b0702a4dd88cb6f3b20](https://github.com/ruby/ruby/pull/2173).

Add an optional `inherit` argument to `Module#autoload?`

[Feature [#15777](#)]

Closes: <https://github.com/ruby/ruby/pull/2173>