

Ruby master - Bug #15488

const_defined?("File::NULL")

12/30/2018 04:07 AM - shujii (Shuji KOBAYASHI)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.6.0p0 (2018-12-25 revision 66547) [x86_64-linux]	Backport: 2.4: REQUIRED, 2.5: REQUIRED, 2.6: DONE

Description

const_get const_defined? Math::PI

```
p Object.const_get("Math::PI")      #=> 3.141592653589793
p Object.const_defined?("Math::PI")  #=> true
```

File::NULL const_get const_defined? false

```
p Object.const_get("File::NULL")     #=> "/dev/null"
p Object.const_defined?("File::NULL") #=> false
```

Associated revisions

Revision 66938 - 01/28/2019 01:32 PM - nobu (Nobuyoshi Nakada)

Fix Module#const_defined? on inherited constants

[Fix GH-2061]

From: manga_osyo manga.osyo@gmail.com

Revision bf8cc37b - 01/29/2019 04:39 AM - naruse (Yui NARUSE)

merge revision(s) 66938: [Backport #15488]

Fix `Module#const_defined?` on inherited constants

[Fix GH-2061]

From: manga_osyo <manga.osyo@gmail.com>

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_2_6@66939 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 66939 - 01/29/2019 04:39 AM - naruse (Yui NARUSE)

merge revision(s) 66938: [Backport #15488]

Fix `Module#const_defined?` on inherited constants

[Fix GH-2061]

From: manga_osyo <manga.osyo@gmail.com>

History

#1 - 12/30/2018 04:27 AM - osyo (manga osyo)

File.const_defined? true

```
p Object.const_get("File::NULL")     #=> "/dev/null"
p Object.const_defined?("File::NULL") #=> false
```

```
p File.const_get("NULL")             #=> "/dev/null"
p File.const_defined?("NULL")        #=> true
```

#2 - 12/30/2018 05:06 AM - osyo (manga osyo)

```
include false
```

```
module M
  HOGE = 42
end
```

```
class X
  include M
end
```

```
p Object.const_get("X::HOGE") # => 42
p Object.const_defined?("X::HOGE") # => false
```

File::NULL File::Constants::NULL File::Constants include
see: <https://docs.ruby-lang.org/ja/latest/class/File=3a=3aConstants.html>

```
p Object.const_defined?("File::NULL") # => false
p Object.const_defined?("File::Constants::NULL") # => true
```

#3 - 12/30/2018 06:09 AM - shuujii (Shuji KOBAYASHI)

```
File.const_defined?("NULL") true
Object.const_get("File::NULL")
Object.const_defined?("File::NULL") true
```

#4 - 12/30/2018 08:18 AM - osyo (manga osyo)

```
...
true
```

- pull request : <https://github.com/ruby/ruby/pull/2061>

```
issues
```

- [Feature #7414](#): Now that const_get supports Foo::Bar; syntax, so should const_defined?. - Ruby trunk - Ruby Issue Tracking System

```
module M
  HOGE = 42
end
```

```
class X
  include M
end
```

```
# OK:
p X.const_get("HOGE") # => 42
p Object.const_get("X::HOGE") # => 42
```

```
# OK:
p X.const_defined?("HOGE") # => true
```

```
# NG: const_get false
p Object.const_defined?("X::HOGE") # => false
```

```
module M
  HOGE = 42
end
```

```
class X
  include M
end
```

```
# OK:
```

```
p X.const_get("HOGE") # => 42
p Object.const_get("X::HOGE") # => 42

# OK: 
p X.const_defined?("HOGE") # => true

# OK: true 
p Object.const_defined?("X::HOGE") # => true

# OK: false 
p Object.const_defined?("X::HOGE", false) # => false
```

```
mixins include
```

```
module Valuable
  VALUE = 42
end
```

```
class X
end
```

```
def get
  # 
  if !Object.const_defined?("X::VALUE")
    pp "homu"
    X.include Valuable
  end
  Object.const_get("X::VALUE")
end
```

```
# 
p get
p get
p get
```

#5 - 01/28/2019 01:49 PM - nobu (Nobuyoshi Nakada)

- Backport changed from 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: UNKNOWN to 2.4: REQUIRED, 2.5: REQUIRED, 2.6: REQUIRED
- Status changed from Open to Closed

#6 - 01/29/2019 05:00 AM - naruse (Yui NARUSE)

- Backport changed from 2.4: REQUIRED, 2.5: REQUIRED, 2.6: REQUIRED to 2.4: REQUIRED, 2.5: REQUIRED, 2.6: DONE

ruby_2_6 r66939 merged revision(s) 66938.

#7 - 03/13/2019 12:03 AM - nagachika (Tomoyuki Chikanaga)

I have a little concern that this could be an incompatibility issue. I will skip this change for the next teeny.