

Ruby - Bug #2829

Missing documentation for Exception subclasses.

03/02/2010 01:38 PM - marcandre (Marc-Andre Lafortune)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:	marcandre (Marc-Andre Lafortune)	
Target version:	1.9.2	
ruby -v:	ruby 1.9.2dev (2010-03-02 trunk 26792) [x86_64-darwin10.2.0]	
Description =begin I noticed that the documentation for Exception subclasses are either that of Exception itself, or just plain non-sensical because they are actually missing (see ZeroDivisionError, FiberError, ...) It would be preferable if the Exception classes were at least briefly described. I've made a first draft of a description for all Exception subclasses, and would encourage anyone interested in improving it by editing the wiki: http://redmine.ruby-lang.org/wiki/ruby/ExceptionClassesDoc Thanks. =end		

History

#1 - 04/20/2010 11:30 PM - mame (Yusuke Endoh)

- Assignee set to marcandre (Marc-Andre Lafortune)

=begin
Hi,

I've made a first draft of a description for all Exception subclasses, and would encourage anyone interested in improving it by editing the wiki:

<http://redmine.ruby-lang.org/wiki/ruby/ExceptionClassesDoc>

Outstanding work!

My comments:

NotImplementedError
Raised when a method is not implemented on the current platform.

I prefer "feature" to "method", because some method is actually defined but NotImplementedError may be raised depending on the argument (e.g., Process.uid=).

SyntaxError
Raised when attempting to parse Ruby code with an invalid syntax.

I could be paranoid, but SyntaxError may be raised in compile phase. So "execute" would be better than "parse".

LocalJumpError
Raised when attempting to return out of a context that no longer exists.

There is simpler situation: no block given (yield).
Attempting to return across Threads will also raise LocalJumpError.

def foo

```
Thread.new { return }.join
end
foo
```

But I don't have better concrete explanation. Sorry.

`NameError`

Raised when a given name is invalid (e.g. a constant's name can not be "my_constant" since it must start with a capital letter)

It will also be raised when referring undefined (uninitialized)
local variable.

```
undefined local variable or method `foo' for main:Object (NameError)
```

Anyway, I agree with importing them.

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Yusuke Endoh mame@tsg.ne.jp
=end

#2 - 05/04/2010 03:31 PM - marcandre (Marc-Andre Lafortune)

=begin
Hi Yusuke.

Thanks for these comments. I've updated the wiki accordingly. I've also added examples to most exception classes.

Unless there is objection, I plan on changing the following error messages:

```
[1, 2].fetch(-3)
From: index -1 out of array
To: index -3 outside of array bounds: -2...2
```

```
{}.fetch("foo")
From: key not found
To: key not found: "foo"
```

I will also commit the changes documentation unless there are further comments.

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Marc-André
=end

#3 - 05/08/2010 01:57 PM - marcandre (Marc-Andre Lafortune)

- *Status changed from Open to Closed*
- *% Done changed from 0 to 100*

=begin
This issue was solved with changeset r27670.
Marc-Andre, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

=end