

Ruby trunk - Bug #7514

DL::Function and DL::Importer#bind_function ignores abi and name when Fiddle is available

12/05/2012 11:59 AM - ngoto (Naohisa Goto)

Status:	Closed	
Priority:	Normal	
Assignee:	ngoto (Naohisa Goto)	
Target version:	2.0.0	
ruby -v:	-	
Description		Backport:
Like Bug #7484 , when Fiddle is available, Fiddle's DL wrapper for DL::Function ignores :stdcall ABI. In addition, when creating callback closure, DL::Function wrapped by Fiddle does not set name, and DL::Function#name raises NoMethodError.		

Associated revisions

Revision f1841f43 - 12/05/2012 03:20 AM - ngoto (Naohisa Goto)

- ext/dl/lib/dl/func.rb (DL::Function#initialize, DL::Function#bind): ABI should be set by using CFunc#calltype even when Fiddle is used. When Fiddle is used and a block is given, name should not be ignored. [ruby-core:50562] [Bug #7514]
- ext/dl/lib/dl/import.rb (DL::Importer#bind_function): should respect abi and name when Fiddle is used.
- test/dl/test_func.rb (test_name_with_block): test for "name" method with giving a block.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@38202 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 38202 - 12/05/2012 03:20 AM - ngoto (Naohisa Goto)

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Revision 74bca55d - 12/20/2012 09:52 AM - usa (Usaku NAKAMURA)

merge revision(s) 38202,38238,38324,38326: [Backport #7527]

- test/dl/test_func.rb (test_name_with_block, test_bind, test_qsort1): call unbind to release the callback closure because maximum number of callbacks is limited to DL::MAX_CALLBACK (== 5) with pure DL without Fiddle.
- ext/dl/lib/dl/func.rb (DL::Function#unbind, #bound?): suppress NoMethodError when Fiddle is available. [ruby-core:50756] [Bug #7543]
- test/dl/test_func.rb (test_bound*, test_unbind*): tests for the above.
- ext/dl/lib/dl/func.rb (DL::Function#initialize, DL::Function#bind): ABI should be set by using CFunc#calltype even when Fiddle is used. When Fiddle is used and a block is given, name should not be ignored. [ruby-core:50562] [Bug #7514]
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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@38506 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 12/05/2012 12:20 PM - ngoto (Naohisa Goto)

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

This issue was solved with changeset r38202.
Naohisa, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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#2 - 12/05/2012 06:17 PM - usa (Usaku NAKAMURA)

- Category set to ext
- Status changed from Closed to Assigned
- Assignee set to ngoto (Naohisa Goto)
- Target version set to 2.0.0

Hmm, when using DL::Function, the patch solves the problem.

But, when we try to shift to Fiddle from DL, since Fiddle::Function does not still have name.
So we can not shift simply.
I think that better solution of this problem is not deceiving DL::Function, but adding name to Fiddle::Function perfectly.

Goto-san, Aaron, how do you think about this?

In addition, I am actually afflicted by this shift problem now, and this problem is serious for me.

#3 - 12/07/2012 02:02 AM - ngoto (Naohisa Goto)

In the commit r38243, Fiddle::Function#name is added, and Fiddle::Importer#import_function and bind_function set the name. The name attribute would be used by Fiddle version of Win32::Registry.

#4 - 12/12/2012 12:12 AM - ngoto (Naohisa Goto)

- *Status changed from Assigned to Closed*

In r38322, Fiddle::Function#initialize can get name by using :name keyword argument. For example, Fiddle::Function.new(ptr, [], Fiddle::TYPE_VOID, name: "example")