

Ruby trunk - Feature #15222

Add a way to distinguish between Struct classes with and without keyword initializer

10/11/2018 01:01 PM - pluff (Pavel Shutsin)

Status:	Open	
Priority:	Normal	
Assignee:		
Target version:		
Description		
<p>With Ruby 2.5.0 Struct subclasses can have different initialize arguments list based on keyword_init option. However, there is no way in Ruby to distinguish Structs with keyword arguments syntax and without.</p> <p>I propose a class method keyword_init? that will allow developers to understand if given structure has keyword based initializer or not.</p> <p>Example use case for serialization:</p> <pre>Foo = Struct.new(:foo, keyword_init: true) Bar = Struct.new(:bar) def dump_and_load_struct(object) serialized = object.to_h object.class.new(object.class.keyword_init? ? serialized : serialized.values) end dump_and_load_struct(Foo.new(foo: 1)) # #<struct Foo foo=1> dump_and_load_struct(Bar.new(2)) # #<struct Bar bar=1></pre> <p>An issue that might be related: https://bugs.ruby-lang.org/issues/14314</p>		
Related issues:		
Related to Ruby trunk - Feature #11925: Struct construction with kwargs		Closed

History

#1 - 10/11/2018 01:09 PM - k0kubun (Takashi Kokubun)

- Related to Bug #14314: Marshalling broken in Ruby 2.5.0 for Structs with keyword_init: true added

#2 - 10/11/2018 01:09 PM - k0kubun (Takashi Kokubun)

- Related to deleted (Bug #14314: Marshalling broken in Ruby 2.5.0 for Structs with keyword_init: true)

#3 - 10/11/2018 01:10 PM - k0kubun (Takashi Kokubun)

- Related to Feature #11925: Struct construction with kwargs added

#4 - 10/11/2018 01:16 PM - k0kubun (Takashi Kokubun)

This would be helpful for implementing custom deserializer of Struct.

Note: If you need to support Ruby 2.5, you would need to do object.class.inspect.end_with?('keyword_init: true').