

## Ruby master - Feature #15222

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

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

<b>Status:</b>	Open	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Target version:</b>		
<b>Description</b>		
<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)) # #&lt;struct Foo foo=1&gt; dump_and_load_struct(Bar.new(2)) # #&lt;struct Bar bar=1&gt;</pre> <p>An issue that might be related: <a href="https://bugs.ruby-lang.org/issues/14314">https://bugs.ruby-lang.org/issues/14314</a></p>		
<b>Related issues:</b>		
Related to Ruby master - Feature #11925: Struct construction with kwargs		<b>Closed</b>

#### 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').