

Ruby master - Bug #7306

BigDecimal does not properly marshal to JSON and back

11/08/2012 01:54 AM - vbatts (Vincent Batts)

Status: Rejected	
Priority: Normal	
Assignee: naruse (Yui NARUSE)	
Target version:	
ruby -v: ruby 2.0.0dev (2012-11-06 trunk 37483) [x86_64-linux]	Backport:
Description \$ ruby -v -S irb -r bigdecimal -r json ruby 2.0.0dev (2012-11-06 trunk 37483) [x86_64-linux] /opt/ruby/2.0.0-git4e73323a6/lib/ruby/2.0.0/irb/ext/save-history.rb:29: warning: method redefined; discarding old save_history= /opt/ruby/2.0.0-git4e73323a6/lib/ruby/2.0.0/irb/extend-command.rb:211: warning: previous definition of save_history= was here irb(main):001:0> inf = BigDecimal.new('Infinity') => # irb(main):002:0> inf2 = JSON.load(inf.to_json) => "Infinity" irb(main):003:0> inf3 = JSON.parse(inf.to_json) JSON::ParserError: 757: unexpected token at ""Infinity"" from /opt/ruby/2.0.0-git4e73323a6/lib/ruby/2.0.0/json/common.rb:149:in parse' from /opt/ruby/2.0.0-git4e73323a6/lib/ruby/2.0.0/json/common.rb:149:in parse' from (irb):3 from /opt/ruby/2.0.0-git4e73323a6/bin/irb:12:in `` irb(main):004:0> JSON.dump inf => "\"Infinity\"" irb(main):005:0> JSON.load(JSON.dump(inf)) => "Infinity"	

History

#1 - 11/08/2012 11:26 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to naruse (Yui NARUSE)

I'm not sure what you expect.

Are you expecting that any object supports dumping and loading JSON notation? I don't think that it is virtually impossible. Or, are you saying that JSON should not define Object#to_json? It makes sense to me, but impossible because of compatibility.

Naruse-san, what do you think?

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Yusuke Endoh mame@tsg.ne.jp

#2 - 11/09/2012 04:13 PM - naruse (Yui NARUSE)

- Status changed from Assigned to Rejected

JSON can't express infinity.
Confirm inf.to_json is "Infinity", it should be unexpected result.

#3 - 11/10/2012 01:56 AM - vbatts (Vincent Batts)

Shouldn't it reinitialize a BigDecimal object, with value "Infinity"?