

Ruby - Bug #15960

rb_fstring should resize capacity [patch]

06/26/2019 03:00 AM - jhawthorn (John Hawthorn)

Status: Priority: Assignee: Target version: ruby -v:	Closed Normal Backport: 2.4: UNKNOWN, 2.5: UNKNOWN, 2.6: UNKNOWN
Description https://github.com/ruby/ruby/pull/2256 When a string is #frozen, it's capacity is resized to fit (if it is much larger), since we know it will no longer be mutated we'd like to save the space. <pre>> puts ObjectSpace.dump(String.new("a"*30, capacity: 1000)) { "type": "STRING", "class": "0x7feaf00b7bf0", "bytesize": 30, "capacity": 1000, "value": "... > puts ObjectSpace.dump(String.new("a"*30, capacity: 1000).freeze) { "type": "STRING", "class": "0x7feaf00b7bf0", "frozen": true, "bytesize": 30, "value": "...</pre> (ObjectSpace.dump doesn't show capacity if capacity is equal to bytesize) Previously, if we dedup into an fstring, using String#-@, capacity would not be reduced. <pre>> puts ObjectSpace.dump(-String.new("a"*30, capacity: 1000)) { "type": "STRING", "class": "0x7feaf00b7bf0", "frozen": true, "fstring": true, "bytesize": 30, "capacity": 1000, "value": "...</pre> I've attached a commit to make rb_fstring call rb_str_resize, the same as rb_str_freeze does.	

History

#1 - 06/26/2019 01:09 PM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Closed

Files

2256.patch	2.28 KB	06/26/2019	jhawthorn (John Hawthorn)
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