

Ruby master - Feature #9953

set_trace_func values which could be frozen or symbols

06/18/2014 03:34 PM - enebo (Thomas Enebo)

Status:	Open
Priority:	Normal
Assignee:	
Target version:	
Description	
<p>I have been changing JRuby's tracing support internally and notice we churn through lots of extra Ruby objects per set_trace_func call. It strikes me that a couple of these values do not need to be allocated more than once. I propose:</p> <ol style="list-style-type: none">1. event_type becomes a symbol (or could be single frozen string per distinct event type)2. filename becomes a single frozen string per file (frozen per spec and possible single instance as impl-specific detail) <p>I find the value of these two values being mutable strings to be minimal and tracing speed will have less GC-pressure.</p>	

History

#1 - 06/19/2014 10:44 PM - ko1 (Koichi Sasada)

Hi,

event_type becomes a symbol (or could be single frozen string per distinct event type)

Now, TracePoint#event returns symbol.

I think it is enough and set_trace_func should not be modified.

I have no objection to make strings frozen.

filename becomes a single frozen string per file (frozen per spec and possible single instance as impl-specific detail)

Again, I have no objection to make strings frozen.

(maybe nobody depends on such behavior)