

Ruby master - Feature #12304

String#split with a block

04/20/2016 03:11 PM - sawa (Tsuyoshi Sawada)

Status:	Feedback
Priority:	Normal
Assignee:	
Target version:	
Description	
<p>I would like String#split to take an optional block, similar to String#scan with a block.</p> <p>Suppose I have a regex pattern with captures, and I want to iterate over matches while having access to the information in last match \$~. In such case, I can use scan, and access the last match in the block during iteration:</p> <pre>"abcabd".scan(/(a) (b)/) do s if \$1 then ... # `s` is `a`, `a` elsif \$2 then ... # `s` is `b`, `b` end end</pre> <p>In my use case, I need to iterate over not only the matching patterns, but also the non-matched substrings in between them. For such cases, I need to use split instead of scan. And I would like to do something like the following:</p> <pre>"abcabd".split(/((a) (b))/) do s if \$2 then ... # `s` is `a`, `a` elsif \$3 then ... # `s` is `b`, `b` else ... # `s` is `c`, `d`, and `\$~` should be `nil` end end</pre> <p>With the current functionalities, I attempted to do this:</p> <pre>"abcabd".split(/((a) (b))/.each do ... end</pre> <p>but it does not work the way I wanted; within the each block, the last match value \$~ is nil, and I cannot access the information.</p>	

History

#1 - 04/21/2016 12:29 AM - shyouhei (Shyouhei Urabe)

- Status changed from Open to Feedback

There are methods like String.each_char.slice_when (and friends). See http://ruby-doc.org/core-2.3.0/Enumerable.html#method-i-slice_when
Doesn't this solve your problem? Then, can you show us a bit more details about your use case?