Ruby - Bug #3855

String#rindex extremely slow on long UTF8 strings

09/22/2010 03:34 PM - mike (Michael Selig)

Status:	Closed		
Priority:	Normal		
Assignee:			
Target version:			
ruby -v:	ruby 1.9.3dev (2010-09-21 trunk 29308) [i686-linux]	**Backport:**	

Description

=begin
Not really a bug .....
I think this issue was raised a few months ago, but I have done a very simple patch to string.c to fix the problem.

Example:

ruby -e 'p String.new("XXX\u0639" + "X" * 100000).rindex("\u0639")'

takes approx 2.7 secs on my old AMD Athlon system, but only approx 0.02 sec with the patch below. The problem is worst when the search string is either not found or is near the beginning of the string.

The issue is the call to "str_nth()" which has to scan the string repeatedly on multibyte encodings just to locate where to start comparing.

I hope that you will consider applying the patch.

Mike
=end

History

#1 - 09/24/2010 03:37 PM - naruse (Yui NARUSE)

- Status changed from Open to Closed

- % Done changed from 0 to 100

=begin
This issue was solved with changeset r29331.
Michael, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

=end

Files

rindex.pat	553 Bytes	09/22/2010	mike (Michael Selig)