

Ruby master - Bug #5862

Strings not encoded in -E encoding

01/08/2012 09:37 AM - brixen (Brian Shirai)

| | |
|--|------------------|
| Status: Rejected | |
| Priority: Normal | |
| Assignee: | |
| Target version: | |
| ruby -v: ruby 1.9.3p0 (2011-10-30 revision 33570) [x86_64-darwin10.8.0] | Backport: |
| Description | |
| <p>If I pass the -E option, the Encoding.default_external is set to that encoding, but the string in the -e code is not set to that encoding, nor is the value of ENCODING set to it.</p> <pre>\$ ruby -v -E ascii-8bit -e 'p "abc".encoding, Encoding.default_external, Encoding.default_internal, ENCODING' ruby 1.9.3p0 (2011-10-30 revision 33570) [x86_64-darwin10.8.0] #Encoding:UTF-8 #Encoding:ASCII-8BIT nil #Encoding:UTF-8</pre> <p>However, if I pass -Ka, the encodings for all of 1. Encoding.default_external, 2. the -e string literal, and 3. ENCODING in -e code are set to eg ASCII-8BIT.</p> <pre>\$ ruby -v -Ka -e 'p "abc".encoding, Encoding.default_external, Encoding.default_internal, ENCODING' ruby 1.9.3p0 (2011-10-30 revision 33570) [x86_64-darwin10.8.0] #Encoding:ASCII-8BIT #Encoding:ASCII-8BIT nil #Encoding:ASCII-8BIT</pre> <p>If -E {enc} sets Encoding.default_external to {enc} and data read from IO streams is set to encoding Encoding.default_external, and STDIO is an IO stream, shouldn't passing -E {enc} cause the -e string literal to have encoding {enc}? If not, could someone please explain the exact semantics of these two different command line options.</p> <p>Thanks, Brian</p> | |

History

#1 - 01/08/2012 05:35 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Rejected

- Category set to M17N

```
=begin
```

Ruby has three types of default encodings, internal, external, and source-code (which `ENCODING` equals to), and they are independent each others. `-E` option sets the former two, but does nothing for source-code encoding.

If you want to set source-code encoding in `-e`, try:

```
$ ruby -e'#encoding:ascii-8bit' -e 'p ENCODING'
```

```
=end
```

#2 - 01/08/2012 06:25 PM - brixen (Brian Shirai)

Just to be clear, the -K options do set the source-code encoding, right?

Thanks,
Brian

#3 - 01/08/2012 07:55 PM - nobu (Nobuyoshi Nakada)

Brian Ford wrote:

Just to be clear, the -K options do set the source-code encoding, right?

Yes, it sets all of three.

Sorry that I forgot to mention about it.

#4 - 01/08/2012 08:25 PM - naruse (Yui NARUSE)

When we design the system, -e is used through a console (terminal emulator).

So -e follows the console's encoding, and it is assumed to be the locale encoding.

So -E doesn't effect.

-K intends for compatibility.

It effects all encodings except default internal.