

Ruby master - Feature #2102

String#inspect as default_internal encoding

09/16/2009 01:11 AM - naruse (Yui NARUSE)

Status:	Closed
Priority:	Normal
Assignee:	
Target version:	
Description	
<pre>=begin String#inspect </pre>	
<pre>inspect EncodingCompatibilityError </pre>	
<pre>inspect irb p </pre>	
<pre> </pre>	
<ul style="list-style-type: none">• default_internal default_external ASCII compatible US-ASCII (inspect)• String#inspect String inspect• String US-ASCII \xXX• String inspect	
<pre>inspect UTF-8 "".encode("UTF-16BE").inspect # before => "0B" # after => "\x30\x42" "".encode("UTF-8").inspect # before => "" # after => "" "".encode("EUC-JP").inspect # before => "◆◆" (EUC-JP) # after => "\xA4xA6" ["".encode("UTF-16BE"), "".encode("UTF-8"), "".encode("EUC-JP")].inspect # before=> EncodingCompatibilityError # after => ["\x30\x42", "", "\xA4xA6"] </pre>	
<pre>diff --git a/string.c b/string.c index aa36c37..b8d862c 100644 --- a/string.c +++ b/string.c @@ -1739,6 +1739,12 @@ str_buf_cat(VALUE str, const char *ptr, long len) return str; } +static VALUE +str_buf_cat2(VALUE str, const char *ptr) +{ + return str_buf_cat(str, ptr, strlen(ptr)); +} + VALUE rb_str_buf_cat(VALUE str, const char *ptr, long len) { @@ -4237,13 +4243,6 @@ str_cat_char(VALUE str, unsigned int c, rb_encoding *enc) rb_enc_str_buf_cat(str, s, n, enc); } -static void -prefix_escape(VALUE str, unsigned int c, rb_encoding *enc) -{</pre>	

- str_cat_char(str, '\', enc);
- str_cat_char(str, c, enc); -} - /*
 - call-seq:
 - str.inspect => string @@ -4262,10 +4261,13 @@ rb_str_inspect(VALUE str) rb_encoding *enc = STR_ENC_GET(str); char *p, *pend; VALUE result = rb_str_buf_new(0);
- rb_encoding *resenc = rb_default_internal_encoding(); +
- if (resenc == NULL) resenc = rb_default_external_encoding();
- if (!rb_enc_asciicompat(resenc)) resenc = rb_usascii_encoding();
- rb_enc_associate(result, resenc);

- str_buf_cat2(result, "");

- if (!rb_enc_asciicompat(enc)) enc = rb_usascii_encoding();

- rb_enc_associate(result, enc);

- str_cat_char(result, "", enc);
 - p = RSTRING_PTR(str); pend = RSTRING_END(str);
 - while (p < pend) {
 - unsigned int c, cc;
 - @@ -4278,8 +4280,7 @@ rb_str_inspect(VALUE str)
 - goto escape_codepoint;
 - }

n = MBCLen_CHARFOUND_LEN(n);

- c = rb_enc_codepoint_len(p, pend, &n, enc);

- c = rb_enc_mbc_to_codepoint(p, pend, enc);
 - p += n;
 - if (c == "" || c == '\ ' ||
 - (c == '#' &&
 - @@ -4287,51 +4288,49 @@ rb_str_inspect(VALUE str)
 - MBCLen_CHARFOUND_P(rb_enc_precise_mbclen(p,pend,enc)) &&
 - (cc = rb_enc_codepoint(p,pend,enc),
 - (cc == '\$' || cc == '@' || cc == '{')))) {

- [REDACTED]

- [REDACTED]

- [REDACTED]

- [REDACTED]
- else if (c == '\n') {

- [REDACTED]

- [REDACTED]

- [REDACTED]
- else if (c == '\r') {

- [REDACTED]

- [REDACTED]

- [REDACTED]
- else if (c == '\t') {

- [REDACTED]

- [REDACTED]

- [REDACTED]
- }

```
else if (c == '\f') {
```

- [REDACTED]
- [REDACTED]

```
}  
else if (c == '\013') {
```

- [REDACTED]
- [REDACTED]

```
}  
else if (c == '\010') {
```

- [REDACTED]
- [REDACTED]

```
}  
else if (c == '\007') {
```

- [REDACTED]
- [REDACTED]

```
}  
else if (c == 033) {
```

- [REDACTED]
- [REDACTED]

```
}
```

```
• else if (rb_enc_isprint(c, enc)) {
```

- [REDACTED]

```
• else if ((enc == resenc && rb_enc_isprint(c, enc)) || rb_enc_iscii(c, enc)) {
```

- [REDACTED]

```
}  
else {
```

- [REDACTED]

- [REDACTED]
char *q;

```
-  
escape_codepoint:  
for (q = p-n; q < p; q++) {
```

- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]
- [REDACTED]

```
+#define BACKESC_BUFSIZE 5
```

- [REDACTED]
- [REDACTED]
- [REDACTED]

```
+#undef BACKESC_BUFSIZE
```

- [REDACTED]

```
}  
}
```

```
• str_cat_char(result, "", enc);
```

```
• str_buf_cat2(result, "\\");
```

```
OBJ_INFECT(result, str);
```

```
return result;
```

```
=end
```

History

#1 - 09/26/2009 08:49 PM - matz (Yukihiro Matsumoto)

```
=begin  
[REDACTED]
```

In message "Re: [ruby-dev:39343] [Feature [#2102](#)] String#inspect as default_internal encoding"
on Wed, 16 Sep 2009 01:11:39 +0900, Yui NARUSE redmine@ruby-lang.org writes:

```
|String#inspect [REDACTED]
```

```
<[]>
```

```
[REDACTED]
```

```
=end
```

#2 - 09/27/2009 05:37 AM - naruse (Yui NARUSE)

- Status changed from Open to Closed

```
=begin  
r25113 [REDACTED]  
=end
```