Ruby master - Feature #5937
Zlib::Inflate#add_dictionary to pre-supply dictionaries for inflate streams
01/27/2012 07:59 AM - drbrain (Eric Hodel)

Status: Closed
Priority: Normal
Assignee:
Target version: 2.0.0

Description
The attached patch allows Zlib::Inflate users to supply dictionaries ahead of time in order to avoid handling the Zlib::NeedDict exception.

Multiple dictionaries may be provided. Zlib::Inflate will choose a matching dictionary based on the adler32 checksum of the provided dictionaries.

Related issues:
Related to Ruby master - Bug #5929: Zlib::Inflate#set_dictionary does not wor...

Closed 01/26/2012

Associated revisions
Revision 1516f8eb - 02/11/2012 12:37 AM - drbrain (Eric Hodel)
- ext/zlib/zlib.c (rb_inflate_add_dictionary): Added Zlib::Inflate#add_dictionary to allow users to pre-specify for using during #inflate. [ruby-trunk - Feature #5937]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34553 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 34553 - 02/11/2012 12:37 AM - drbrain (Eric Hodel)
- ext/zlib/zlib.c (rb_inflate_add_dictionary): Added Zlib::Inflate#add_dictionary to allow users to pre-specify for using during #inflate. [ruby-trunk - Feature #5937]

Revision 34553 - 02/11/2012 12:37 AM - drbrain (Eric Hodel)
- ext/zlib/zlib.c (rb_inflate_add_dictionary): Added Zlib::Inflate#add_dictionary to allow users to pre-specify for using during #inflate. [ruby-trunk - Feature #5937]

Revision 34553 - 02/11/2012 12:37 AM - drbrain (Eric Hodel)
- ext/zlib/zlib.c (rb_inflate_add_dictionary): Added Zlib::Inflate#add_dictionary to allow users to pre-specify for using during #inflate. [ruby-trunk - Feature #5937]

Revision 34553 - 02/11/2012 12:37 AM - drbrain (Eric Hodel)
- ext/zlib/zlib.c (rb_inflate_add_dictionary): Added Zlib::Inflate#add_dictionary to allow users to pre-specify for using during #inflate. [ruby-trunk - Feature #5937]

Revision 34553 - 02/11/2012 12:37 AM - drbrain (Eric Hodel)
- ext/zlib/zlib.c (rb_inflate_add_dictionary): Added Zlib::Inflate#add_dictionary to allow users to pre-specify for using during #inflate. [ruby-trunk - Feature #5937]

Revision 34553 - 02/11/2012 12:37 AM - drbrain (Eric Hodel)
- ext/zlib/zlib.c (rb_inflate_add_dictionary): Added Zlib::Inflate#add_dictionary to allow users to pre-specify for using during #inflate. [ruby-trunk - Feature #5937]

History
#1 - 01/27/2012 08:04 AM - drbrain (Eric Hodel)
- File zlib.c.add_dictionary.patch added
Oops, forgot patch

#2 - 02/11/2012 09:37 AM - drbrain (Eric Hodel)
- Status changed from Open to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r34553.
Eric, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- ext/zlib/zlib.c (rb_inflate_add_dictionary): Added Zlib::Inflate#add_dictionary to allow users to pre-specify for using during #inflate. [ruby-trunk - Feature #5937]

#3 - 05/27/2012 02:35 PM - igrigorik (Ilya Grigorik)
What are the odds of having this be backported to 1.9.x? We need custom dictionary support to support SPDY without relying on FFI or other native extensions.

ex: https://github.com/igrigorik/spdy/blob/master/lib/spdy/compressor.rb

#4 - 05/28/2012 01:46 PM - naruse (Yui NARUSE)
igrigorik (Ilya Grigorik) wrote:

What are the odds of having this be backported to 1.9.x? We need custom dictionary support to support SPDY without relying on FFI or other native extensions.

ex: https://github.com/igrigorik/spdy/blob/master/lib/spdy/compressor.rb

You may know, in principle backporting is for bug fixes.
And even if 1.9.3 backport this, 1.9.2 and 1.8.x still needs ffi.
This means your pain won't decrease, will it?

#5 - 05/30/2012 07:55 AM - drbrain (Eric Hodel)
I think #5929 should be backported instead. While #5937 makes working with custom dictionaries easier, #5929 fixes the current API (#set_dictionary) to be fully usable.

#6 - 05/30/2012 02:16 PM - igrigorik (Ilya Grigorik)
naruse (Yui NARUSE): as Eric pointed out in his original ticket (#5929), I do believe this is a bug, as the current API advertises that it can set and use the dictionary, but that is not the case.

I've opened a different / new ticket: http://bugs.ruby-lang.org/issues/6516

Files
zlib.c.add_dictionary.patch 3.77 KB 01/27/2012 drbrain (Eric Hodel)