This is to deal specifically with setting the Region to Arabic which sets the codepage to 720. This codepage isn't recognised by Ruby which causes it to fail during initialisation when setting up LOCALE.

This patch to Ruby is necessary to handle languages/regions on windows where the codepage is not supported by Ruby such as Arabic which uses codepage 720.

If the codepage is not found, the Locale falls back to UTF8.

This is a well known Ruby/Ruby on Rails issue which is described at https://stackoverflow.com/questions/22815542/rails4-unknown-encoding-name-cp720

Opened PR: https://github.com/ruby/ruby/pull/2518

---

**Associated revisions**

Revision 175952bf - 11/22/2020 02:08 PM - nobu (Nobuyoshi Nakada)

NEWS for [Feature #16233] [ci skip]

**History**

#1 - 10/03/2019 07:46 AM - gabuscus (Gabriel Nagy)

- Description updated

#2 - 10/04/2019 04:44 AM - duerst (Martin Dürst)

If codepage 720 is not supported, then we should look at supporting it.

#3 - 10/04/2019 11:06 AM - gabuscus (Gabriel Nagy)

duerst (Martin Dürst) wrote:

If codepage 720 is not supported, then we should look at supporting it.

fair point, however investigation on this Puppet ticket: https://tickets.puppetlabs.com/browse/PA-2191 concluded that falling back to UTF-8 fixes the issue (for codepage 720 at least), we could also check the codepage when catching the ArgumentError so we fallback only in that case

edit: also I'm not sure what does adding a new codepage entail? I agree that would be the cleaner solution

#4 - 12/29/2019 06:45 AM - hsbt (Hiroshi SHIBATA)

- Tags set to patch, win, encoding

#5 - 01/14/2020 09:17 AM - naruse (Yui NARUSE)

- Backport deleted (2.5: UNKNOWN, 2.6: UNKNOWN)
- ruby -v deleted (2.6.3)
- Target version set to 36
- Assignee set to duerst (Martin Dürst)
- Tracker changed from Bug to Feature


---

09/19/2021
duerst (Martin Dürst) Could you add support for it?

#6 - 01/14/2020 10:11 AM - duerst (Martin Dürst)
Will do, but probably not very soon, because it's now the most busy time of the year at work, sorry.

Some notes: For the encoding (onigX), windows-1256 is a replica of iso-8859-6. But windows-1256 is much more complete, while iso-8859-6 has many unassigned codepoints, so it may be a good idea to fix this if we get around to it.

Just adding an alias 'CP720' for windows-1256 is much easier.

#7 - 09/29/2020 03:37 AM - hsbt (Hiroshi SHIBATA)
- Target version changed from 36 to 3.0

#8 - 11/21/2020 11:41 AM - gabuscus (Gabriel Nagy)

duerst (Martin Dürst) wrote in #note-6:

Just adding an alias 'CP720' for windows-1256 is much easier.

Hi duerst (Martin Dürst), sorry for digging this up. I read your comment and updated my original pull request to alias CP720 to windows-1256: https://github.com/ruby/ruby/pull/2518

#9 - 11/22/2020 11:06 AM - larskanis (Lars Kanis)

I've been notified by this issue several times, so that I finally implemented the missing codepage CP720 in https://github.com/ruby/ruby/pull/3803 . I hope it's OK to be merged.

#10 - 11/22/2020 01:32 PM - naruse (Yui NARUSE)

- Status changed from Open to Closed

Applied in changeset gitid403591b34e204a5937241025c62c877e579fbaa.

Add string encoding IBM720 alias CP720 (GH-3803)

Files

| windows_nocodepage_utf8_fallback_r2.5.patch | 946 Bytes | 10/03/2019 | gabuscus (Gabriel Nagy) |