Ruby master - Bug #14036

Signature of rb_uint2big and rb_int2big

10/20/2017 09:40 PM - Eregon (Benoit Daloze)

Status: Closed
Priority: Normal
Assignee:
Target version:
ruby -v:
Backport: 2.3: UNKNOWN, 2.4: UNKNOWN

Description

rb_uint2big and rb_int2big are declared as such:

VALUE rb_uint2big(VALUE);
VALUE rb_int2big(SIGNED_VALUE);

and VALUE is one of

typedef uintptr_t VALUE;
typedef unsigned long VALUE;
typedef unsigned LONG_LONG VALUE;

and SIGNED_VALUE similar but without unsigned.

Should the signatures actually be:

VALUE rb_uint2big(unsigned long);
VALUE rb_int2big(long);

Of course, there is not much difference here.
But it seems a bit strange to make this kind of conversion functions taking C integers depend on the bitwidth of VALUE.

Related issues:

Related to Ruby master - Bug #15570: rb_int2big signature change #14036 break... Open

Associated revisions

Revision d77e8a7d - 02/20/2018 08:01 AM - nobu (Nobuyoshi Nakada)
Signature of rb_uint2big and rb_int2big

- include/ruby/ruby.h (rb_uint2big, rb_int2big): declare with uintptr_t and intptr_t instead of VALUE and SIGNED_VALUE respectively. [ruby-core:83424] [Bug #14036]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@62494 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 62494 - 02/20/2018 08:01 AM - nobu (Nobuyoshi Nakada)
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Revision b2033b8b - 02/20/2018 09:38 AM - nobu (Nobuyoshi Nakada)
Signature of rb_uint2inum and rb_int2inum

- include/ruby/ruby.h (rb_int2inum, rb_uint2inum): adjust declarations. [ruby-core:83424] [Bug #14036]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@62498 b2dd03c8-39d4-4d8f-98ff-823fe69b080e
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History
#1 - 02/20/2018 07:28 AM - nobu (Nobuyoshi Nakada)
- Description updated

#2 - 02/20/2018 08:01 AM - nobu (Nobuyoshi Nakada)
- Status changed from Open to Closed

Applied in changeset trunk|r62494.

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#3 - 01/29/2019 12:05 PM - vo.x (Vit Ondruch)
- Related to Bug #15570: rb_int2big signature change #14036 breaks VIM on 32b arches added