Ruby master - Bug #14036

Signature of rb_uint2big and rb_int2big

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

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
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<tr>
<td>Assignee:</td>
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<td>Target version:</td>
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<td>ruby -v:</td>
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<td>Backport:</td>
<td>2.3: UNKNOWN, 2.4: UNKNOWN</td>
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Description

rb_uint2big and rb_int2big are declared as such:

```c
VALUE rb_uint2big(VALUE);
VALUE rb_int2big(SIGNED_VALUE);
```

and VALUE is one of

```c
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:

```c
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...
- Closed

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
Signature of rb_uint2inum and rb_int2inum

- include/ruby/ruby.h (rb_int2inum, rb_uint2inum): adjust declarations. [ruby-core:83424] [Bug #14036]

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