

## Ruby master - Bug #10820

### Win32 Registry Delete uses ANSI instead of Wide APIs

02/02/2015 11:11 PM - ferventcoder (Rob Reynolds)

<b>Status:</b>	Closed		
<b>Priority:</b>	Normal		
<b>Assignee:</b>	cruby-windows		
<b>Target version:</b>			
<b>ruby -v:</b>	2.1.5	<b>Backport:</b>	2.0.0: DONTNEED, 2.1: DONE, 2.2: DONE

#### Description

<https://github.com/ruby/ruby/blob/trunk/ext/win32/lib/win32/registry.rb#L236-L237>

Contains:

```
module API
  include Constants
  extend Importer
  dllload "advapi32.dll"
  [
    "long RegOpenKeyExW(void *, void *, long, long, void *)",
    "long RegCreateKeyExW(void *, void *, long, long, long, void *, void *, void *)",
    "long RegEnumValueW(void *, long, void *, void *, void *, void *, void *, void *)",
    "long RegEnumKeyExW(void *, long, void *, void *, void *, void *, void *, void *)",
    "long RegQueryValueExW(void *, void *, void *, void *, void *, void *)",
    "long RegSetValueExW(void *, void *, long, long, void *, long)",
    "long RegDeleteValue(void *, void *)",
    "long RegDeleteKey(void *, void *)",
    "long RegFlushKey(void *)",
    "long RegCloseKey(void *)",
    "long RegQueryInfoKey(void *, void *, void *, void *, void *, void *, void *, void *, void *, void *, void *, void *)",
  ].each do |fn|
    cfunc = extern fn, :stdcall
    const_set cfunc.name.intern, cfunc
  end
end
```

Should use RegDeleteValueW and RegDeleteKeyW.

#### Associated revisions

##### Revision a6516ff5 - 02/08/2015 03:48 AM - nobu (Nobuyoshi Nakada)

registry.rb: wide versions

- ext/win32/lib/win32/registry.rb (Win32::Registry::API): use wide versions of RegDeleteValue and RegDeleteKey. [ruby-core:67958] [Bug #10820]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@49542 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 49542 - 02/08/2015 03:48 AM - nobu (Nobuyoshi Nakada)

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#### Revision eef3f0d9 - 02/17/2015 06:39 AM - naruse (Yui NARUSE)

merge revision(s) 49542: [Backport #10820]

```
* ext/win32/lib/win32/registry.rb (Win32::Registry::API): use wide
  versions of RegDeleteValue and RegDeleteKey.
  [ruby-core:67958] [Bug #10820]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_2@49622 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

#### Revision 49622 - 02/17/2015 06:39 AM - naruse (Yui NARUSE)

merge revision(s) 49542: [Backport #10820]

```
* ext/win32/lib/win32/registry.rb (Win32::Registry::API): use wide
  versions of RegDeleteValue and RegDeleteKey.
  [ruby-core:67958] [Bug #10820]
```

#### Revision e9ea9d65 - 08/17/2015 07:15 AM - usa (Usaku NAKAMURA)

merge revision(s) 49542: [Backport #10820]

```
* ext/win32/lib/win32/registry.rb (Win32::Registry::API): use wide
  versions of RegDeleteValue and RegDeleteKey.
  [ruby-core:67958] [Bug #10820]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby\_2\_1@51596 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

#### Revision 51596 - 08/17/2015 07:15 AM - usa (Usaku NAKAMURA)

merge revision(s) 49542: [Backport #10820]

```
* ext/win32/lib/win32/registry.rb (Win32::Registry::API): use wide
  versions of RegDeleteValue and RegDeleteKey.
  [ruby-core:67958] [Bug #10820]
```

## History

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### #1 - 02/02/2015 11:12 PM - ferventcoder (Rob Reynolds)

Apparently markdown didn't work so well, but hopefully the gist of the issue is captured here.

### #2 - 02/02/2015 11:26 PM - ferventcoder (Rob Reynolds)

For the issue, without this fix, it is likely not to find registry keys/values that have unicode in them. This is what we were seeing.

### #3 - 02/02/2015 11:47 PM - ferventcoder (Rob Reynolds)

Looks like you may want to explore the same for RegQueryInfoKey as well. See <https://msdn.microsoft.com/en-us/library/windows/desktop/ms724902.aspx>

### #4 - 02/08/2015 03:32 AM - nobu (Nobuyoshi Nakada)

- Description updated

- Status changed from Open to Assigned

- Assignee changed from usa (Usaku NAKAMURA) to cruby-windows

- Backport changed from 2.0.0: UNKNOWN, 2.1: REQUIRED, 2.2: REQUIRED to 2.0.0: DONTNEED, 2.1: REQUIRED, 2.2: REQUIRED

### #5 - 02/08/2015 03:49 AM - nobu (Nobuyoshi Nakada)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

Applied in changeset r49542.

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registry.rb: wide versions

- ext/win32/lib/win32/registry.rb (Win32::Registry::API): use wide versions of RegDeleteValue and RegDeleteKey. [ruby-core:67958] [Bug #10820]

**#6 - 02/17/2015 06:39 AM - naruse (Yui NARUSE)**

- Backport changed from 2.0.0: DONTNEED, 2.1: REQUIRED, 2.2: REQUIRED to 2.0.0: DONTNEED, 2.1: REQUIRED, 2.2: DONE

ruby\_2\_2 r49622 merged revision(s) 49542.

**#7 - 08/02/2015 05:31 PM - Iristyle (Ethan Brown)**

Yui NARUSE wrote:

ruby\_2\_2 r49622 merged revision(s) 49542.

I would like to see this backported to Ruby 2.1 as well. Without it, registry keys and values cannot be deleted at all. This is a fairly large issue on Windows.

Comment left on <https://github.com/ruby/ruby/commit/eef3f0d94cd884a27ed2b9523240370f5e8026f1>

**#8 - 08/03/2015 02:24 AM - nobu (Nobuyoshi Nakada)**

This issue is marked as '2.1: REQUIRED'.

**#9 - 08/17/2015 07:15 AM - usa (Usaku NAKAMURA)**

- Backport changed from 2.0.0: DONTNEED, 2.1: REQUIRED, 2.2: DONE to 2.0.0: DONTNEED, 2.1: DONE, 2.2: DONE

ruby\_2\_1 r51596 merged revision(s) 49542.