

## Redmine - Defect #29601

### Redmine::VERSION::revision may return wrong value

2018-09-13 03:45 - Yuichi HARADA

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Go MAEDA	<b>% Done:</b>	0%
<b>Category:</b>	Administration	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	4.1.0	<b>Affected version:</b>	
<b>Resolution:</b>	Fixed		

**Description**

Currently, Redmine::VERSION::revision return 'Revision'.

```
$ ruby bin/about
```

Environment:

```
Redmine version      3.4.3.stable.17480
Ruby version         2.2.5-p319 (2016-04-26) [x86_64-darwin17]
Rails version        4.2.8
Environment          production
Database adapter     SQLite
```

SCM:

```
Subversion           1.9.7
Git                  2.15.2
Filesystem
```

Redmine plugins:  
no plugin installed

But, Revision of checkout URL is 'Last Changed Rev'.

```
$ svn info --xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<info>
<entry
  path="."
  revision="17480"
  kind="dir">
    <!-- Currently shown Redmine::VERSION::revision (17480) -->
<url>https://svn.redmine.org/redmine/tags/3.4.3</url>
<relative-url>^/tags/3.4.3</relative-url>
<repository>
<root>https://svn.redmine.org/redmine</root>
<uuid>e93f8b46-1217-0410-a6f0-8f06a7374b81</uuid>
</repository>
<wc-info>
<wcroot-abspath>/path/to/redmine</wcroot-abspath>
<schedule>normal</schedule>
<depth>infinity</depth>
</wc-info>
<commit
  revision="17010">
    <!-- Revision of checkout URL (17010) -->
<author>jplang</author>
<date>2017-10-15T19:54:11.195354Z</date>
</commit>
</entry>
</info>
```

I would like to change it as follows.

Index: lib/redmine/version.rb

```
=====
diff --git a/trunk/lib/redmine/version.rb b/trunk/lib/redmine/version.rb
--- a/trunk/lib/redmine/version.rb      (revision 17480)
+++ b/trunk/lib/redmine/version.rb      (working copy)
@@ -18,7 +18,7 @@
     if File.directory?(File.join(Rails.root, '.svn'))
       begin
         path = Redmine::Scm::Adapters::AbstractAdapter.shell_quote(Rails.root.to_s)
-        if `#{Redmine::Scm::Adapters::SubversionAdapter.client_command} info --xml #{path}` =~
/revision="(\\d+)"/
+        if `#{Redmine::Scm::Adapters::SubversionAdapter.client_command} info --xml #{path}` =~
/commit\\s+revision="(\\d+)"/
           return $1.to_i
         end
       rescue
```

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## Associated revisions

### Revision 18594 - 2019-10-05 07:46 - Go MAEDA

Redmine::VERSION::revision may return wrong value (#29601).

Patch by Yuichi HARADA.

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## History

### #1 - 2018-09-13 04:07 - Yuichi HARADA

- File *redmine\_version\_revision\_change\_to\_last\_changed\_rev.patch* added

I posted a patch file.

### #2 - 2018-09-18 03:46 - Go MAEDA

- Category set to Administration

### #3 - 2019-10-04 16:25 - Go MAEDA

- File *admin-info-before@2x.png* added

- File *admin-info-after@2x.png* added

- Status changed from New to Confirmed

- Target version set to 4.2.0

I have confirmed the issue.

---

Now the current directory is the working copy of /branches/4.0-stable branch.

```
laphroaig:4.0-stable maeda$ svn info
Path: .
Working Copy Root Path: /Users/maeda/redmines/4.0-stable
URL: https://svn.redmine.org/redmine/branches/4.0-stable
Relative URL: ^/branches/4.0-stable
Repository Root: https://svn.redmine.org/redmine
Repository UUID: e93f8b46-1217-0410-a6f0-8f06a7374b81
Revision: 18593
Node Kind: directory
Schedule: normal
Last Changed Author: maeda
Last Changed Rev: 18591
Last Changed Date: 2019-10-04 08:30:08 +0900 (Fri, 04 Oct 2019)
```

The latest change is r18591.

```
laphroaig:4.0-stable maeda$ svn log | head
-----
r18591 | maeda | 2019-10-04 08:30:08 +0900 (Fri, 04 Oct 2019) | 2 lines
Merged r18589 from trunk to 4.0-stable (#32110).
```

-----  
r18590 | maeda | 2019-10-04 08:28:00 +0900 (Fri, 04 Oct 2019) | 2 lines

Merged r18588 from trunk to 4.0-stable (#32189).

But the admin/info page says the revision is r18593.

admin-info-before@2x.png

After applying the patch, admin/info page reports the correct revision number r18591.

admin-info-after@2x.png

#### #4 - 2019-10-04 16:30 - Go MAEDA

- Subject changed from When using 'svn checkout' to acquire Redmine, Redmine::VERSION::revision should be 'Last Changed Rev' to Redmine::VERSION::revision may return wrong value

#### #5 - 2019-10-05 02:25 - Go MAEDA

We don't have to parse XML with regexp if we use `svn info --show-item last-changed-revision`. The command simply returns the number of last changed revision without any other unnecessary data.

```
$ svn info
Path: .
Working Copy Root Path: /Users/maeda/redmines/4.0-stable
URL: https://svn.redmine.org/redmine/branches/4.0-stable
Relative URL: ^/branches/4.0-stable
Repository Root: https://svn.redmine.org/redmine
Repository UUID: e93f8b46-1217-0410-a6f0-8f06a7374b81
Revision: 18593
Node Kind: directory
Schedule: normal
Last Changed Author: maeda
Last Changed Rev: 18591
Last Changed Date: 2019-10-04 08:30:08 +0900 (Fri, 04 Oct 2019)
```

```
$ svn info --show-item last-changed-revision
18591
```

```
diff --git a/lib/redmine/version.rb b/lib/redmine/version.rb
index 03eeadef9..40122ebd6 100644
--- a/lib/redmine/version.rb
+++ b/lib/redmine/version.rb
@@ -20,9 +20,7 @@ module Redmine
   if File.directory?(File.join(Rails.root, '.svn'))
     begin
       path = Redmine::Scm::Adapters::AbstractAdapter.shell_quote(Rails.root.to_s)
-      if `#{Redmine::Scm::Adapters::SubversionAdapter.client_command} info --xml #{path}` =~ /revision="(
\d+)"/
-        return $1.to_i
-      end
+      return Integer(`#{Redmine::Scm::Adapters::SubversionAdapter.client_command} info --show-item last-c
hanged-revision #{path}`)
     rescue
       # Could not find the current revision
     end
```

#### #6 - 2019-10-05 04:59 - Mischa The Evil

Go MAEDA wrote:

We don't have to parse XML with regexp if we use `svn info --show-item last-changed-revision`.

That's nice indeed. The issue however could be that by utilizing `svn info --show item ...` we effectively drop support for Subversion <1.9 because that command is introduced only as part of the 1.9 branch (see the [Subversion Mailinglist thread](#)).

Given the circumstances, I don't think that this change in approach of getting the revision number with the corresponding performance increase is worth the raise of compatibility requirements for the Subversion binary.

#### #7 - 2019-10-05 05:47 - Go MAEDA

Mischa The Evil wrote:

The issue however could be that by utilizing `svn info --show item ...` we effectively drop support for Subversion <1.9 because that command is

introduced only as part of the 1.9 branch (see the [Subversion Mailinglist thread](#)).

Thanks, I didn't know that the option is only available in Subversion 1.9. The patch I posted should not be applied.

**#8 - 2019-10-05 07:47 - Go MAEDA**

- Status changed from *Confirmed* to *Closed*
- Assignee set to *Go MAEDA*
- Target version changed from *4.2.0* to *4.1.0*
- Resolution set to *Fixed*

Committed the patch. Thank you for your contribution.

**#9 - 2019-10-06 05:26 - Mischa The Evil**

Go MAEDA wrote:

Mischa The Evil wrote:

The issue however could be that by utilizing `svn info --show item ...` we effectively drop support for Subversion <1.9 because that command is introduced only as part of the 1.9 branch (see the [Subversion Mailinglist thread](#)).

Thanks, I didn't know that the option is only available in Subversion 1.9.

FWIW and FTR: what I meant to say is that the `svn info --show item ...` command is only available in Subversion 1.9 **and up**, not that it is 1.9 only.

**Files**

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<code>redmine_version_revision_change_to_last_changed_rev.patch</code>	752 Bytes	2018-09-13	Yuichi HARADA
<code>admin-info-before@2x.png</code>	19.7 KB	2019-10-04	Go MAEDA
<code>admin-info-after@2x.png</code>	19.4 KB	2019-10-04	Go MAEDA