

## RhodeCode CE/EE - Bug #5227

### 400 during a svn checkout, file with special chars

23.02.2017 15:43 - Carlo Trujillo

<b>Status:</b>	New	<b>Start date:</b>	23.02.2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Sorting:</b>		<b>Affected Version:</b>	
<b>Commit Number:</b>			

#### Description

Our repository is behind apache ( configured to listen in 80 for web and 8090 svn ).

We can't control how our customers use their repository so we can't bring any naming convention in their files.

A customer added two files, more or less with this label:

- Ricerca allo 0,75% del Pil.txt
- L'hashtag #newHashtag non ancora.txt

Every attempt to checkout this repository lead to a 400 error because RhodeCode + Apache can't handle the improperly used reserved chars.

In apache logs:

```
Ricerca%20allo%200,75%%20del%20Pil.txt
```

instead

```
Ricerca%20allo%200,75%25%20del%20Pil.txt
```

and

```
L%E2%80%99hashtag%20#newHashtag%20non%20ancora.txt
```

instead

```
L%E2%80%99hashtag%20%23newHashtag%20non%20ancora.txt
```

I noticed URL come out plain and unescaped from RhodeCode ( to apache ) so I patched roughly the file :

```
/home/user/.rccontrol/community-1/profile/lib/python2.7/site-packages/rhodecode/lib/middleware/simplesvn.py
```

in this way:

```
--- old_simplesvn.py      2017-02-23 15:35:26.325978696 +0100
+++ new_simplesvn.py      2017-02-23 15:30:32.629978696 +0100
@@ -20,6 +20,7 @@
```

```
import logging
from urlparse import urljoin
+from urllib import quote
```

```
import requests
from webob.exc import HTTPNotAcceptable
@@ -62,8 +63,8 @@
```

```
    return response.iter_content(chunk_size=1024)
```

```
    def _get_url(self, path):
-        return urljoin(
-            self.config.get('subversion_http_server_url', ''), path)
+        return quote(urljoin(
+            self.config.get('subversion_http_server_url', ''), path), safe="/:~+!$,;'"
```

```
def _get_request_headers(self, environ):
    headers = {}
```

I know there is a wonderful RFC with all reserved chars listed but we are installing RhodeCode in a pre-existing svn environment.

Is there a cleaner way to manage this situation?

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**Related issues:**

Related to RhodeCode CE/EE - Bug #4306: Issue to push file with character # o...

**Resolved**

**09.11.2016**

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**History**

**#1 - 23.02.2017 16:09 - Marcin Kuzminski [CTO]**

- *Related to Bug #4306: Issue to push file with character # on a SVN added*

**#2 - 23.02.2017 17:43 - Marcin Kuzminski [CTO]**

Hi Carlo,

Thanks for a report, and a patch. I think your solution is fine, we'll have a closer look but this looks sufficient.

Best,

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**Files**

patch.txt

675 Bytes

23.02.2017

Carlo Truijlo