

RhodeCode CE/EE - Bug #5227

400 during a svn checkout, file with special chars

23.02.2017 15:43 - Carlo Trujillo

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

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%20,75%%20del%20Pil.txt
```

instead

```
Ricerca%20allo%20,75%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?

Related issues:

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

Resolved

09.11.2016

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,

Files

patch.txt

675 Bytes

23.02.2017

Carlo Truijillo