Redmine - Defect #2532

Cannot browse Subversion paths that contain spaces

2009-01-19 10:23 - Frédéric Sagnes

Status:	Closed		**Start date:**	2009-01-19
Priority:	Normal		**Due date:**	
Assignee:	Jean-Philippe Lang		**% Done:**	0%
Category:	SCM		**Estimated time:**	0.00 hour
Target version:				
Resolution:			**Affected version:**	

Description

Whenever I try to browse a subversion path that contains spaces, I get a 502 proxy error with the message "Error reading from remote server". In this case the SVN path was:
"http://grp-horus/bugs/repositories/browse/desktopmanager/trunk/applications/windows/resources%20status%20item"

I'm using redmine 0.8 on a mongrel 1.1.3 cluster with apache 2.2.8, subversion 1.5.1, MySQL 5.0.51a, ruby 1.8.6, rails 2.1.2.

The failing request log:

---
lun jan 19 10:12:02 +0100 2009: HTTP parse error, malformed request (127.0.0.1): #<Mongrel::HttpParserError: Invalid HTTP format, parsing fails.>
lun jan 19 10:12:02 +0100 2009: REQUEST DATA: "GET
/bugs/repositories/browse/desktopmanager/trunk/applications/windows/resources status item HTTP/1.1\r\nHost:
127.0.0.1:8000\r\nUser-Agent: Mozilla/5.0 (Macintosh; U; Intel Mac OS X 10.5; en-US; rv:1.9.1b2) Gecko/20081201
Firefox/3.1b2\r\nAccept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8\r\nAccept-Language:
en-us,en;q=0.5\r\nAccept-Encoding: gzip,deflate\r\nAccept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7\r\nReferer:
http://grp-horus/bugs/repositories/show/desktopmanager\r\nCookie: wikidbUserID=25; wikidbUserName=Fsagnes;
wikidbToken=6aae9084c698f5d766df2dfdb2aa4cbe; autologin=RFumjvGiU6zBtx2Sut0KUacYe7tV1ZBRwg3Gtiym;
_session_id=5993d0605df86a9c26a102da1f4c8851\r\nVia: 1.1 grp-horus\r\nX-Forwarded-For: 192.168.8.142\r\nX-Forwarded-Host:
grp-horus\r\nX-Forwarded-Server: grp-horus\r\nConnection: Keep-Alive\r\n\r\n"

PARAMS: {"REQUEST_PATH"=>"/bugs/repositories/browse/desktopmanager/trunk/applications/windows/resources",
"REQUEST_URI"=>"/bugs/repositories/browse/desktopmanager/trunk/applications/windows/resources",
"REQUEST_METHOD"=>"GET"}

The error page:
Proxy Error

The proxy server received an invalid response from an upstream server.
The proxy server could not handle the request GET
/bugs/repositories/browse/desktopmanager/trunk/applications/windows/resources status item.

Reason: Error reading from remote server

Apache/2.2.8 (Ubuntu) DAV/2 SVN/1.5.1 mod_fastcgi/2.4.6 mod_jk/1.2.25 mod_python/3.3.1 Python/2.5.2 PHP/5.2.4-2ubuntu5.4
with Suhosin-Patch mod_ssl/2.2.8 OpenSSL/0.9.8g mod_perl/2.0.3 Perl/v5.8.8 Server at grp-horus Port 80

Related issues:

Related to Redmine - Defect #5461: Cannot browse SVN Repositories with whites...	**Closed**	**2010-05-07**
Related to Redmine - Defect #7505: Subversion: Repository URL with space not ...	**Closed**	**2011-01-31**
Related to Redmine - Defect #17882: Subversion: French character filename cau...	**New**	

History

#1 - 2009-01-23 18:41 - Jean-Philippe Lang

I'm not able to reproduce this error. Please provide the application log.

#2 - 2009-04-21 11:40 - Antonio García-Domínguez

- File browsing-dir-with-space.png added

- File browsing-subdir.png added

We have also experienced this issue on our Redmine 0.7.9 installation. The exact issue seems to be browsing a subdirectory of a path that contains a space. For some reason, the URLs that are produced for these subdirectories are escaped by Redmine, containing "%20", which our browser (Mozilla Firefox 3.0.8, as packaged by Canonical in Ubuntu Intrepid 8.10) escapes once more to "%2520", which obviously does not exist.

The last two lines from the Mongrel log (translated from Spanish to English) are:

```
svn: The URL 'http://neptuno.uca.es/svn-private/sources-fm/src/Takuan%2520Plugin/src' does not exist in that r
evision
svn: The URL 'http://neptuno.uca.es/svn-private/sources-fm/src/Takuan%2520Plugin/src' does not exist in that r
evision
```

I have attached two more screenshots which I hope will clarify the problem.

I have looked around a bit and the issue seems to be (please correct me if I'm wrong) in the way "svn list" produces its entries, and how its output is parsed in source:trunk/lib/redmine/scm/adapters/subversion_adapter.rb. If I do this (supplying the required authentication credentials):

```
svn list --xml "http://neptuno.uca.es/svn/sources-fm/src/Takuan Plugin"
```

I obtain the following output, which as you can see, contains the infamous "%20":

```
<?xml version="1.0"?>
<lists>
<list
    path="http://neptuno.uca.es/svn/sources-fm/src/Takuan%20Plugin">
<entry
    kind="file">
<name>build.xml</name>
<size>481</size>
<commit
    revision="445">
<author>alejandro</author>
<date>2009-04-21T08:32:21.243736Z</date>
</commit>
</entry>
<entry
    kind="file">
<name>manifest.mf</name>
<size>227</size>
<commit
    revision="445">
<author>alejandro</author>
<date>2009-04-21T08:32:21.243736Z</date>
</commit>
</entry>
<entry
    kind="dir">
<name>nbproject</name>
<commit
    revision="445">
<author>alejandro</author>
<date>2009-04-21T08:32:21.243736Z</date>
</commit>
</entry>
<entry
    kind="dir">
<name>src</name>
<commit
    revision="445">
<author>alejandro</author>
<date>2009-04-21T08:32:21.243736Z</date>
</commit>
</entry>
<entry
    kind="dir">
<name>test</name>
<commit
    revision="445">
<author>alejandro</author>
<date>2009-04-21T08:32:21.243736Z</date>
</commit>
</entry>
</list>
```

```
</lists>
```

Perhaps the URLs read from Subversion might need unescaping at some point before they're printed out?

Thanks in advance.

#3 - 2009-05-21 04:22 - Grant McEwan

Did anyone fix this? as i'm suffering the same problem.

Grant

#4 - 2009-09-24 01:45 - Grant McEwan

- Assignee set to Jean-Philippe Lang

It appears this is still broken in 0.8.5?

#5 - 2014-09-16 03:49 - Toshi MARUYAMA

- Related to Defect #17882: Subversion: French character filename causes error 404 added

#6 - 2017-01-10 12:21 - Go MAEDA

- File path_name_with_spaces.png added
- Status changed from New to Closed

No problem in the current trunk (r16171).

Files

browsing-dir-with-space.png	66 KB	2009-04-21	Antonio García-Domínguez
browsing-subdir.png	91.5 KB	2009-04-21	Antonio García-Domínguez
path_name_with_spaces.png	10.1 KB	2017-01-10	Go MAEDA