

Redmine - Defect #13077

redirect to wrong back_url behind Apache reverse proxy

2013-02-04 14:58 - Mathias Walter

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version:	Affected version: 2.2.2
Resolution: Invalid	

Description

I've configured my Apache proxy exactly as described in http://www.redmine.org/projects/redmine/wiki/HowTo_Install_Redmine_in_a_sub-URI#With-a-reverse-proxy but Redmine redirects to a wrong URL by removing the path "/redmine". Hence, I cannot login and use the system. It works well with the local domain.

That happens after migration from 1.4 to the latest version 2.2.2 and seem to be independent of the 'Settings->General->Host name and path'.

It does not help either, if I change the environment.rb and set any combination of Redmine::Utils::relative_url_root or ActionController::Base.relative_url_root.

I also tried to enable/disable the browsers referer options but it didn't help.

Environment:

```
Rails 3.2.11
Ruby 1.9.3-p374
Redmine 2.2.2 r11293
```

Settings->General->Host name and path:

```
subdomain.domain.tld/redmine
```

Proxy config:

```
ProxyPass /redmine http://localhost:3000/
ProxyPassReverse /redmine http://localhost:3000/
```

Now, the requested URL

```
http://subdomain.domain.tld/redmine
```

changes to

```
http://subdomain.domain.tld/login?back_url=http%3A%2F%2Fsubdomain.domain.tld%2F
```

Related issues:

Related to Redmine - Defect #12102: Installed Redmine in a sub-URI: Links are...	New
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History

#1 - 2013-02-04 15:05 - Mathias Walter

The internal web server was used and redmine was started with ./script/rails server -e production

log entry:

```
Started GET "/" for xxx.xxx.xxx.xxx at 2013-02-04 15:02:33 +0100
Processing by WelcomeController#index as HTML
  Current user: anonymous
Redirected to http://subdomain.domain.tld/login?back_url=http%3A%2F%2Fsubdomain.domain.tld%2F
Filter chain halted as :check_if_login_required rendered or redirected
```

Completed 302 Found in 6ms (ActiveRecord: 1.5ms)

#2 - 2013-02-08 10:38 - Mathias Walter

I've updated from Redmine 1.2, not from 1.4.

#3 - 2013-02-08 10:52 - Etienne Massip

- Status changed from New to Closed
- Priority changed from Urgent to Normal
- Resolution set to Invalid

This is mostly support request, neither a bug or feature request.

Configuring Redmine on a relative root is a bit tricky with Redmine 2.x and you have to define a scope for routes.

Basically, adding `RedmineApp::Application.routes.default_scope = '/redmine'` should help you, see [#12102#note-1](#).

#4 - 2013-02-08 12:59 - Mathias Walter

Just for the records:

Since I didn't get it to work with the internal Webrick server (even if I set `RedmineApp::Application.routes.default_scope`), I switched to Thin and changed the configuration according to Teddy's comment ([#12102-12](#)) and with `config.asset_path = '/redmine%s'`.

Then I gave Puma a try. Unfortunately, Puma does not support a prefix parameter. Hence I changed the `config.ru` according to [#12102-13](#).

Now it works like a charm.

The wiki document [HowTo Install Redmine in a sub-URI](#) should be updated to Redmine 2.x configuration.

#5 - 2013-05-30 18:46 - Anonymous

I had the same problem. To reproduce this:

1. Sign in
2. Click the sign out. This should produce a URL like this: http://domain.tld/login?back_url=http%253A%252F%252Fdomain.tld%252F
 1. Notice that the `back_url` is essentially escaped twice.
3. Sign in again. You are now authenticated according to the logs but the redirect fails and you don't go anywhere
4. Refreshing the page brings you to the default page (`my_page_path`)

A simple fix for this was to unescape twice the back url in `ApplicationController::redirect_back_or_default`. Change `back_url = params[:back_url].to_s` to `back_url = CGI.unescape(CGI.unescape(params[:back_url].to_s))`

#6 - 2014-04-14 06:19 - Ryan J

This is possibly an Apache issue. I have no idea how to make it work properly though.

[Explanation from Atlassian](#)
[Possibly related Apache bug](#)

#8 - 2018-02-13 11:28 - Aleksandar Pavic

This is still issue, I am on Redmine 3.4 configured running behind IIS as reverse proxy, on PUMA...