Redmine - Defect #3692

URL-generation is brittle with trailing slashes

2009-07-29 17:26 - Wolfgang Schnerring

Status:	New	**Start date:**	2009-07-29
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:	Email notifications	**Estimated time:**	0.00 hour
Target version:			
Resolution:		**Affected version:**	

Description

When the setting Adminstration/Settings/General/"Hostname and path" has a trailing slash (e. g. "http://example.com/redmine/", the links in the "issue updated" emails contain duplicate slashes (e. g. "http://example.com/redmine//repositories/revision/myproject/17") which cannot be routed and give 404 instead.

I've scrutinized the code, and the underlying reason is that url_for does not care about a trailing slash in the "host" part of the URL and simply appends the full path even if that duplicates the slash. I'm not sure whether it should do so, or if Redmine should be careful to strip any trailing slashes instead (in app/models/mailer.rb Mailer::default_url_options).

Either way, this behaviour is quite brittle and also rather non-obvious to figure out, so it would be nice if Redmine did the Right Thing(tm) regardless of trailing slashes in the "hostname" setting.

History

#1 - 2010-06-19 02:23 - Olafur Gislason

- File mailer_trailing_slash_fix.patch added

Created a small patch to clean up trailing slash when using the mailer (in app/models/mailer.rb).
A simple regular expression used to cut the slash of if it exists.

Test added into mailer_test.rb (in test/unit/mailer_test.rb) named "test_generated_links_in_emails_with_trailing_slash".

All test ran without failures.

NOTE that using a ready-made library (e.g. UrlWriter / UrlRewriter if they support this kind of operation) might be better than doing a manual string modification, but it's debatable.

Patch created against redmine-trunk (rev. 3771).

#2 - 2010-06-19 10:42 - Holger Just

People probably use Setting.hostname throughout the code and in plugins. Maybe you want to put the patch there (into the Setting model).

#3 - 2010-06-19 14:32 - Olafur Gislason

Holger Just wrote:

> People probably use Setting.hostname throughout the code and in plugins. Maybe you want to put the patch there (into the Setting model).

I tested that also. I wanted this kind of feedback to decide where to do the modification.
The reason I chose mailer.rb is that this trailing-slash bug is only in the mailer. It seems that the rest of the system is able to fix this automatically.

I can post the setting-controller fix also if people want.

#4 - 2010-06-19 19:21 - Olafur Gislason

Holger Just wrote:

> People probably use Setting.hostname throughout the code and in plugins. Maybe you want to put the patch there (into the Setting model).

Come to think of it, I agree with you. Better to remove the problem at the source rather than hoping that people will check for this in all modules.

I'll post a patch shortly.

#5 - 2010-06-21 22:20 - Olafur Gislason

- File settings_hostname_trailing_slash_fix.diff added

I've created a patch which cuts of a trailing forward-slash of the host-name before saving it down into the model.
I could not find a clean way of doing this in the model class, but it is most likely possible.
I included additional test for the settings_controller to proof the functionality.

#6 - 2010-06-21 23:11 - Gregor Schmidt

- File 3692.patch added

Attached is an alternative patch at model level. Although I'm not sure, which is better.

Files

mailer_trailing_slash_fix.patch	1.71 KB	2010-06-19	Olafur Gislason
settings_hostname_trailing_slash_fix.diff	1.54 KB	2010-06-21	Olafur Gislason
3692.patch	1.65 KB	2010-06-21	Gregor Schmidt