Redmine - Patch #4732
Make login case-insensitive also for PostgreSQL

2010-02-04 00:26 - Marcel Waldvogel

Status:	Closed		**Start date:**	2010-02-03
Priority:	Normal		**Due date:**	
Assignee:	Eric Davis		**% Done:**	100%
Category:	Accounts / authentication		**Estimated time:**	0.00 hour
Target version:	1.0.0 (RC)			

Description

When using MySQL as the backend, it will automatically do case-insensitive comparisons.

For a PostgreSQL database, however, trying to log in with different capitalisation will result in either of the following error messages (paraphrased):

   1. "User unknown" (when the user is not in LDAP or LDAP is not configured)

   2. "User with this email address already exists" (when there is such a user in LDAP and automatic addition is enabled; this is more confusing than "User unknown")

This patch resolves this problem for all systems, trying to use indices as much as possible:

  - For *MySQL* and *PostgreSQL* backends, it will even avoid table walks on successful attempts (there might be a table walk for unsuccessful logins with MySQL backend, depending on how MySQL's query optimiser works. Avoiding such a table walk for sure would require testing for the adapter in the controller, which I find pretty ugly).

  - For *sqlite*, it is likely to cause a table walk when capitalisation differs (but I would expect anyone using sqlite as a production backend will have few enough users).

An alternative would be to downcase the login name always, but this would require updating existing databases and might upset users who are used to seeing their name in mixed case.

Related issues:

Related to Redmine - Defect # 2473: Login and mail should not be case sensitive	**Closed**	**2009-01-08**

History

#1 - 2010-04-29 13:28 - Stanislav German-Evtushenko

Issue #2473 is similar to this one.

#2 - 2010-06-20 23:40 - Eric Davis

- Status changed from New to Closed

- Assignee set to Eric Davis

- Target version set to 1.0.0 (RC)

- % Done changed from 0 to 100

A patch was committed in r3807 as part of #2473 that resolves this.

Files

case-insensitive-login.patch	1.87 KB	2010-02-03	Marcel Waldvogel