

## Redmine - Defect #65

### Database inconsistency

2007-05-31 07:28 - bajs bajs

|   |                                  |
|---|----------------------------------|
| <b>Status:</b> Closed   | <b>Start date:</b>               |
| <b>Priority:</b> Normal   | <b>Due date:</b>                 |
| <b>Assignee:</b>  | <b>% Done:</b> 0%                |
| <b>Category:</b>  | <b>Estimated time:</b> 0.00 hour |
| <b>Target version:</b>  | <b>Affected version:</b>         |
| <b>Resolution:</b>  |                                  |
| <b>Description</b>  |                                  |
| <p>If the user registration fails for some reason (in my case because I created a lang/sv.yml but not the other translation files needed) the user is only partially created. (I also got an error message)</p> <p>When retrying (having removed lang/sv.yml) the user registration failed because both the username and the email address were already in use, but the user did not show up in the user table in the admin interface.</p> <p>Creating a user should be done atomically inside a transaction in order to fix this.</p> <p>I repaired my database by manually deleting all references to the user from the database.</p> <p>I realize that I screwed it up myself, but having foreign key constraints and using transactions really improves the reliability of data stored in a database.</p> <p>This with redmine 0.5.0 with a postgresql backend.</p> |                                  |

### History

#### #1 - 2007-05-31 12:59 - Jean-Philippe Lang

Hi,  
I guess you got an error because register\_sv.rhtml was missing.  
But your database wasn't inconsistent. If you had selected "Status: all" on users/list, you should have seen the newly registered user.

Concerning translations, I've changed things a bit. Now (in current source available in trunk), default templates (english) are automatically used if translated ones are missing.

I agree with you about foreign key constraints, but:  
- they're not natively supported by rails  
- they're unusable when working with polymorphic associations.

#### #2 - 2007-06-01 16:31 - bajs bajs

Ah, I completely missed that dropbox. Thanks.

Too bad about transactions. But shouldn't the database use foreign keys constraints?

#### #3 - 2007-06-01 17:59 - Jean-Philippe Lang

Too bad about transactions.

Transactions are OK. For example, user creation is done inside a transaction.

But shouldn't the database use foreign keys constraints?

As I said:  
- they're not natively supported by rails

- they're unusable when working with polymorphic associations.

#### **#4 - 2007-06-02 09:38 - bajs bajs**

Ooops. I misread.

Can't foreign key constraints be implemented by just modifying the database?

Example with PostgreSQL:

```
ALTER TABLE issues ADD CONSTRAINT  
issues_project_id_constraint FOREIGN KEY (project_id)  
REFERENCES projects (id) MATCH FULL;
```

#### **#5 - 2007-06-23 15:11 - Jean-Philippe Lang**

Migrations have to be database independent.

There's a rails plugin for managing constraints, but I prefer to keep migrations independent from any plugin.