Redmine - Patch #39592

Set transaction isolation level of MySQL to READ-COMMITTED in database.yml.example

2023-11-22 10:17 - Go MAEDA

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Marius BĂLTEANU		**% Done:**	0%
Category:	Database		**Estimated time:**	0.00 hour
Target version:				

Description

Due to bug fix [#39437](), you have to set your MySQL server's transaction_isolation level to READ-COMMITTED. Detailed information about this requirement can be found in the **MySQL configuration** documentation.

To ensure this critical configuration is not overlooked, I propose updating config/database.yml.example with explanatory comments. The attached patch includes these suggested comments and makes the necessary configuration more visible.

Related issues:

Is duplicate of Redmine - Patch #39737: Support MySQL 8	**Closed**

Associated revisions

Revision 22476 - 2023-11-26 14:20 - Marius BĂLTEANU

Update database versions and MySQL related documentation to include the workaround for concurrency issues (#39737, #39592).

Revision 22477 - 2023-11-26 14:21 - Marius BĂLTEANU

Add transaction_isolation variable to database.yml.example (#39592, #39737).

Patch by Go MAEDA.

History

#1 - 2023-11-22 22:15 - Marius BĂLTEANU

- Category set to Database

I'm not sure if we should add it as you proposed or comment it out. Any other opinions?

#2 - 2023-11-22 22:16 - Marius BĂLTEANU

On way or another, I will include this change before releasing the new versions.

#3 - 2023-11-23 02:13 - Go MAEDA

I think it is even better to update doc/INSTALL as well.

```
diff --git a/doc/INSTALL b/doc/INSTALL
index 1487b8317..2e34eb0c1 100644
--- a/doc/INSTALL
+++ b/doc/INSTALL
@@ -86,6 +86,26 @@ The current version of Firefox, Safari, Chrome, Chromium and Microsoft Edge.
     Go to "Administration" to load the default configuration data (roles,
     trackers, statuses, workflow) and to adjust the application settings

+== Database server configuration
+
+When using MySQL with Redmine 5.0.1 or later, it is necessary to change
+the transaction isolation level from the default REPEATABLE READ to
+READ_COMMITTED. To modify this setting, either change the database
+configuration file or alter the settings on your MySQL server.
+
+To set the transaction isolation level in the database configuration file,
+add transaction_isolation variable as below:
+
+  production:
+    adapter: mysql2
+    database: redmine
```

```
+    host: localhost
+    [...]
+    variables:
+      transaction_isolation: "READ-COMMITTED"
+
+More details can be found in https://www.redmine.org/projects/redmine/wiki/MySQL_configuration.
+
 == SMTP server Configuration

 Copy config/configuration.yml.example to config/configuration.yml and
```

#4 - 2023-11-26 14:22 - Marius BĂLTEANU

- Is duplicate of Patch #39737: Support MySQL 8 added

#5 - 2023-11-26 14:23 - Marius BĂLTEANU

- Status changed from New to Closed

Changes committed as part of [#39737](#).

#6 - 2023-11-26 14:23 - Marius BĂLTEANU

- Target version deleted (5.1.1)

Files

update-database_yml_example.patch	1.09 KB	2023-11-22	Go MAEDA