

## Redmine - Patch #12721

### Optimize MenuManager a bit

2013-01-03 14:45 - Daniel Ritz

<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>	Code cleanup/refactoring	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.3.0		

#### Description

In a project without the modules repository, wiki and boards, the following queries are needlessly executed:

```
Wiki Load (0.3ms) SELECT `wikis`. * FROM `wikis` WHERE `wikis`.`project_id` = 1 LIMIT 1
```

```
(0.5ms) SELECT COUNT() FROM `boards` WHERE `boards`.`project_id` = 1
```

```
Repository Load (0.7ms) SELECT `repositories`. FROM `repositories` WHERE `repositories`.`project_id` = 1 AND (is_default = 1) LIMIT 1
```

In cases where issue tracking and file modules are not enabled, this is also not needed:

```
(0.7ms) SELECT COUNT(DISTINCT `issues`.`id`) AS count_id, tracker_id AS tracker_id FROM `issues`  
LEFT OUTER JOIN `projects` ON `projects`.`id` = `issues`.`project_id`  
LEFT OUTER JOIN `issue_statuses` ON `issue_statuses`.`id` = `issues`.`status_id`  
LEFT OUTER JOIN `trackers` ON `trackers`.`id` = `issues`.`tracker_id`  
WHERE (projects.status=1 AND projects.id IN (  
SELECT em.project_id FROM enabled_modules em WHERE em.name='issue_tracking'))  
AND ((projects.id = 1 OR (projects.lft > 1 AND projects.rgt < 2)))  
GROUP BY tracker_id
```

The reason is in allowed\_node? in Redmine::MenuManager::MenuHelper. It first checks extra conditions, then checks if the user is allowed to perform an action. The user permission check in turn checks if a module is enabled. The patch changes the order in which the checks are executed: First the permissions, then the extra conditions. A win of 1.5-3ms per call on my system.

#### Associated revisions

Revision 11112 - 2013-01-04 09:21 - Jean-Philippe Lang

Check permissions before the extra condition for displaying a menu item (#12721).

Patch by Daniel Ritz.

#### History

#1 - 2013-01-03 16:41 - Daniel Felix

+1 from me.

Lesser requests for the same goal, are always a good idea. ;-)

#2 - 2013-01-04 09:22 - Jean-Philippe Lang

- Status changed from New to Closed

- Target version set to 2.3.0

Patch committed in r11112, thanks for pointing this out.

**Files**

---

menu-manager-optimize.patch

947 Bytes

2013-01-03

Daniel Ritz