

Redmine - Feature #36696

Improve performance of adding or removing members of a group

2022-02-24 00:10 - James H

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee: Go MAEDA	% Done: 0%
Category: Performance	Estimated time: 0.00 hour
Target version: 5.0.0	
Resolution: Fixed	
Description	
<p>In situations where groups are applied to hundreds of projects (with or without subprojects, with or without inherit members), adding or removing a user from the group takes VERY LONG (more than 5-10 minutes).</p> <p>Would like to request:</p> <ol style="list-style-type: none">1. Better querying optimization?2. Bulk edit capability <p>1. not sure how because I do not know how it queries. maybe something like consolidate multiple queries into fewer big queries?</p> <p>2. When looking at the "users" tab under Groups, have a checkmark selection and "Apply All" button at the bottom for actions applied for multiple users at once. This way it can try to optimize the query for that?</p>	
Related issues:	
Related to Redmine - Patch # 36730: Replace Member.find_or_new with ActiveRec... Closed	

Associated revisions

Revision 21447 - 2022-03-05 09:41 - Go MAEDA

Improve performance of adding or removing members of a group (#36696).

Patch by Go MAEDA.

History

#1 - 2022-02-24 00:25 - James H

or maybe make it a background job similar to like #36691

#2 - 2022-02-28 08:56 - Go MAEDA

- File 36696.patch added

I wrote a patch that speeds up the adding of a group member. In my test environment with 500+ projects, I got a speedup of about 30%.

Before:

Completed 200 OK in 1674ms (Views: 10.3ms | ActiveRecord: 275.6ms | Allocations: 924861)
Completed 200 OK in 1691ms (Views: 2.7ms | ActiveRecord: 278.2ms | Allocations: 921060)
Completed 200 OK in 1734ms (Views: 2.1ms | ActiveRecord: 294.0ms | Allocations: 921192)
Completed 200 OK in 1928ms (Views: 3.0ms | ActiveRecord: 305.9ms | Allocations: 921065)
Completed 200 OK in 1655ms (Views: 2.7ms | ActiveRecord: 277.6ms | Allocations: 921057)

After:

Completed 200 OK in 1309ms (Views: 4.1ms | ActiveRecord: 185.9ms | Allocations: 754306)
Completed 200 OK in 1264ms (Views: 2.1ms | ActiveRecord: 169.1ms | Allocations: 745979)
Completed 200 OK in 1392ms (Views: 2.7ms | ActiveRecord: 184.0ms | Allocations: 745980)
Completed 200 OK in 1299ms (Views: 2.1ms | ActiveRecord: 173.2ms | Allocations: 746013)
Completed 200 OK in 1256ms (Views: 2.1ms | ActiveRecord: 168.8ms | Allocations: 745976)

#3 - 2022-02-28 16:25 - Go MAEDA

- File 36696-v2.patch added

Updated the patch. Now it also improves the speed of removing a group member. The speedup of GroupsController#remove_user is about 20% in my test environment.

Before:

Completed 200 OK in 1555ms (Views: 8.9ms | ActiveRecord: 281.5ms | Allocations: 951235)
Completed 200 OK in 1605ms (Views: 2.3ms | ActiveRecord: 295.5ms | Allocations: 947796)
Completed 200 OK in 1551ms (Views: 2.7ms | ActiveRecord: 290.3ms | Allocations: 947743)
Completed 200 OK in 1566ms (Views: 3.6ms | ActiveRecord: 289.5ms | Allocations: 947744)
Completed 200 OK in 1610ms (Views: 2.7ms | ActiveRecord: 300.5ms | Allocations: 947749)

After:

Completed 200 OK in 1247ms (Views: 4.6ms | ActiveRecord: 221.6ms | Allocations: 732887)
Completed 200 OK in 1364ms (Views: 2.1ms | ActiveRecord: 248.6ms | Allocations: 729979)
Completed 200 OK in 1255ms (Views: 2.1ms | ActiveRecord: 231.0ms | Allocations: 730074)
Completed 200 OK in 1399ms (Views: 2.0ms | ActiveRecord: 261.1ms | Allocations: 729955)
Completed 200 OK in 1285ms (Views: 2.2ms | ActiveRecord: 232.4ms | Allocations: 729953)

#4 - 2022-03-02 20:42 - James H

That was quick, thank you for your efforts!

#5 - 2022-03-03 00:25 - Go MAEDA

- Subject changed from Group members - query optimization & bulk edit to Improve performance of adding or removing members of a group
- Category changed from Groups to Performance
- Target version set to 5.0.0

Setting the target version to 5.0.0.

#6 - 2022-03-05 09:42 - Go MAEDA

- Status changed from New to Closed

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the patch.

#7 - 2022-03-06 03:45 - Go MAEDA

- Related to Patch #36730: Replace Member.find_or_new with ActiveRecord's find_or_initialize_by added

Files

36696.patch	2.87 KB	2022-02-28	Go MAEDA
36696-v2.patch	3.42 KB	2022-02-28	Go MAEDA