

Redmine - Feature #42682

Optimize the rendering of versions on the roadmap by preloading the email addresses of issue assignees

2025-05-06 04:08 - Go MAEDA

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Performance	Estimated time:	0.00 hour
Target version:	6.1.0		
Resolution:	Fixed		

Description

The attached patch improves the performance of the roadmap view by preloading the email_address of issue assignees, which is used for displaying Gravatar icons. By preloading it, N+1 queries are avoided when rendering versions and their associated issues.

The test results below show the performance of the /roadmap page with 60 versions and 3000 issues:

Without the patch:

Completed 200 OK in 1910ms (Views: 1712.9ms | ActiveRecord: 110.1ms (9539 queries, 9181 cached) | GC: 160.8ms)

Completed 200 OK in 1920ms (Views: 1739.1ms | ActiveRecord: 91.0ms (9539 queries, 9181 cached) | GC: 158.0ms)

Completed 200 OK in 1934ms (Views: 1759.1ms | ActiveRecord: 92.1ms (9539 queries, 9181 cached) | GC: 159.4ms)

Completed 200 OK in 1962ms (Views: 1775.1ms | ActiveRecord: 95.7ms (9539 queries, 9181 cached) | GC: 165.3ms)

Completed 200 OK in 1948ms (Views: 1764.1ms | ActiveRecord: 74.6ms (9539 queries, 9181 cached) | GC: 163.0ms)

With the patch applied:

Completed 200 OK in 1092ms (Views: 924.3ms | ActiveRecord: 59.9ms (3539 queries, 3183 cached) | GC: 117.8ms)

Completed 200 OK in 1040ms (Views: 880.7ms | ActiveRecord: 54.1ms (3539 queries, 3183 cached) | GC: 75.0ms)

Completed 200 OK in 1072ms (Views: 894.1ms | ActiveRecord: 64.9ms (3539 queries, 3183 cached) | GC: 117.9ms)

Completed 200 OK in 1134ms (Views: 987.3ms | ActiveRecord: 57.4ms (3539 queries, 3183 cached) | GC: 130.1ms)

Completed 200 OK in 1051ms (Views: 884.9ms | ActiveRecord: 64.3ms (3539 queries, 3183 cached) | GC: 81.8ms)

Associated revisions

Revision 23749 - 2025-05-07 06:39 - Go MAEDA

Optimize the rendering of versions on the roadmap by preloading the email addresses of issue assignees (#42682).

Patch by Go MAEDA (user:maeda).

History

#1 - 2025-05-06 04:36 - Go MAEDA

- Target version set to 6.1.0

#2 - 2025-05-07 06:39 - Go MAEDA

- Status changed from New to Closed
- Assignee set to Go MAEDA
- Resolution set to Fixed

Committed the patch in [r23749](#).

Files

optimize-roadmap-by-preloading-email.patch	1.23 KB	2025-05-06	Go MAEDA
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