

## Redmine - Feature #42077

### Optimize activity view performance through association preloading for journals

2025-01-06 11:20 - Go MAEDA

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

**Description**

The current implementation of the Activity view triggers multiple SQL queries for each journal, which can lead to performance issues. The attached two patches mitigate the problem.

The first patch modifies the Journal#journalized method to use the preloaded Issue association if available. Currently, the journalized method executes redundant queries to fetch the associated Issue object, even when the Issue has already been preloaded.

The second patch updates the :scope parameter of acts\_as\_activity\_provider to preload the tracker association through the related Issue, reducing queries against the trackers table when displaying each journal in the Activity view.

These changes reduce the number of SQL queries when displaying journals in the Activity view and can improve overall rendering performance.

**Queries when rendering activities/index.html.erb:**

- [log-without-patches.txt](#) (the current implementation)
- [log-with-patches.txt](#) (with the patches applied)

#### Associated revisions

##### Revision 23446 - 2025-01-18 06:36 - Go MAEDA

Optimize `journalized` method to use preloaded Issue association for better Activity view performance (#42077).

Patch by Go MAEDA (user:maeda).

##### Revision 23447 - 2025-01-18 06:37 - Go MAEDA

Preload tracker when retrieving journal events to improve Activity view performance (#42077).

Patch by Go MAEDA (user:maeda).

#### History

##### #1 - 2025-01-15 11:04 - Go MAEDA

- Target version changed from Candidate for next minor release to 6.1.0

Setting the target version to 6.1.0.

##### #2 - 2025-01-18 06:38 - Go MAEDA

- Status changed from New to Closed

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the patches in [r23446](#) and [r23447](#).

#### Files

log-without-patches.txt	5.43 KB	2025-01-06	Go MAEDA
log-with-patches.txt	1.8 KB	2025-01-06	Go MAEDA
0001-Optimize-journalized-method-to-use-preloaded-Issue-a.patch	948 Bytes	2025-01-06	Go MAEDA

