

## Redmine - Patch #39840

### Optimize `Issue#relations` method to fetch both `relations\_from` and `relations\_to` using a single query

2023-12-13 14:17 - 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>	6.0.0		
<b>Description</b>			
This patch updates `Issue#relations` method to efficiently fetch both `relations_from` and `relations_to` using a single ActiveRecord query. This optimization reduces database calls and improves performance.			
Before:			
<pre>IssueRelation Load (0.2ms)  SELECT "issue_relations".* FROM "issue_relations" WHERE "issue_relations"."issue_from_id" = \$1 [{"issue_from_id", 1}] ↳ app/models/issue.rb:1169:in `relations'</pre>			
<pre>IssueRelation Load (0.5ms)  SELECT "issue_relations".* FROM "issue_relations" WHERE "issue_relations"."issue_to_id" = \$1 [{"issue_to_id", 1}] ↳ app/models/issue.rb:1169:in `relations'</pre>			
After:			
<pre>IssueRelation Load (0.7ms)  SELECT "issue_relations".* FROM "issue_relations" WHERE (issue_to_id = 1 OR issue_from_id = 1) ↳ app/models/issue.rb:1171:in `sort'</pre>			

#### Associated revisions

##### Revision 22572 - 2023-12-28 01:10 - Go MAEDA

Optimize `Issue#relations` method to improve performance by fetching both `relations\_from` and `relations\_to` using a single database query (#39840).

Patch by Go MAEDA (@maeda).

#### History

##### #1 - 2023-12-25 15:23 - Go MAEDA

- Target version set to 6.0.0

##### #2 - 2023-12-28 01:11 - Go MAEDA

- Status changed from New to Closed

- Assignee set to Go MAEDA

Committed the patch in [r22572](#).

#### Files

optimize-relation.patch	498 Bytes	2023-12-13	Go MAEDA
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