

Redmine - Patch #30249

Performance improvement when rendering news or calendar block on My page

2018-12-19 04:03 - Go MAEDA

| | | | |
|------------------------|-------------|------------------------|-----------|
| Status: | Closed | Start date: | |
| Priority: | Normal | Due date: | |
| Assignee: | Go MAEDA | % Done: | 0% |
| Category: | Performance | Estimated time: | 0.00 hour |
| Target version: | 4.1.0 | | |

Description

The following patch improves the performance when retrieving objects to render especially when there are many visible projects.

Index: app/helpers/my_helper.rb

```
-----
--- app/helpers/my_helper.rb      (revision 17763)
+++ app/helpers/my_helper.rb      (working copy)
@@ -78,7 +78,7 @@
  def render_calendar_block(block, settings)
    calendar = Redmine::Helpers::Calendar.new(User.current.today, current_language, :week)
    calendar.events = Issue.visible.
-     where(:project_id => User.current.projects.pluck(:id)).
+     where(:project => User.current.projects).
    where("(start_date>=? and start_date<=?) or (due_date>=? and due_date<=?)", calendar.startdt, calendar.enddt, calendar.startdt, calendar.enddt).
    includes(:project, :tracker, :priority, :assigned_to).
    references(:project, :tracker, :priority, :assigned_to).
@@ -142,7 +142,7 @@

  def render_news_block(block, settings)
    news = News.visible.
-     where(:project_id => User.current.projects.pluck(:id)).
+     where(:project => User.current.projects).
    limit(10).
    includes(:project, :author).
    references(:project, :author).
```

Here is a result of the benchmark test. About 9 times faster with 1000 projects.

[bench.rbenchmark.rb](#)

```
require 'benchmark/ips'

include Redmine::Utils::DateCalculation

calendar = Redmine::Helpers::Calendar.new(User.current.today, :en, :week)

Benchmark.ips do |x|
  x.report('before') do
    Issue.visible.
      where(:project_id => Project.all.pluck(:id)).
      where("(start_date>=? and start_date<=?) or (due_date>=? and due_date<=?)", calendar.startdt, calendar.enddt, calendar.startdt, calendar.enddt).
      includes(:project, :tracker, :priority, :assigned_to).
      references(:project, :tracker, :priority, :assigned_to)
  end

  x.report('after') do
    Issue.visible.
      where(:project => Project.all).
      where("(start_date>=? and start_date<=?) or (due_date>=? and due_date<=?)", calendar.startdt, calendar.enddt, calendar.startdt, calendar.enddt).
      includes(:project, :tracker, :priority, :assigned_to).
```

```

    references(:project, :tracker, :priority, :assigned_to)
  end

  x.compare!
end

$ bin/rails r bench.rb
Warming up -----
          before    5.000  i/100ms
          after    64.000  i/100ms
Calculating -----
          before    68.797  (± 7.3%) i/s -   345.000  in   5.040461s
          after    652.797  (± 6.0%) i/s -   3.264k  in   5.018461s

Comparison:
          after:    652.8 i/s
          before:   68.8 i/s - 9.49x  slower

```

Associated revisions

Revision 17771 - 2018-12-21 04:41 - Go MAEDA

Performance improvement when rendering news or calendar block on My page (#30249).

Patch by Go MAEDA.

History

#1 - 2018-12-19 12:22 - Pavel Rosický

lgtn

#2 - 2018-12-20 02:02 - Go MAEDA

- Target version set to 4.1.0

Pavel Rosický wrote:

lgtn

Thank you for reviewing the patch. Setting the target version to 4.1.0.

#3 - 2018-12-21 04:41 - Go MAEDA

- Status changed from New to Closed

- Assignee set to Go MAEDA

Committed.