

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.

```
{{collapse(bench.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.