Redmine - Defect #24473

CSV Export Very slow for issues with lots of Custom Fields

2016-11-28 12:23 - Stephane Evr

Status:NewStart date:Priority:NormalDue date:

Assignee: % Done: 0%

Category: Performance Estimated time: 0.00 hour

Target version:

Resolution: Affected version:

Description

Environment:

Redmine version 3.3.0.stable

Ruby version 2.2.1-p85 (2015-02-26) [x86_64-linux]

Rails version 4.2.6
Environment production
Database adapter Mysql2

So I tried to investigate why, when exporting an issue with lots of custom fields, my log file would look like this:

```
CACHE (0.0ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 94261
]]
 CACHE (0.0ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 942
6111
 CACHE (0.0ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 942
6111
 CACHE (0.0ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 942
6111
 CACHE (0.0ms)
               SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 942
61]]
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                SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 942
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                 SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 942
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61]]
```

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```
CACHE (0.0ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 942 61]]

CACHE (0.0ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 942 61]]

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CACHE (0.0ms) SELECT `issues`.* FROM `issues` WHERE `issues`.`id` = 94261 LIMIT 1 [["id", 942 61]]
```

There is one line per custom field apparently.

My investigation led this method (in lib/redmine/field_format.rb):

end

When **custom_value.customized** is called, this leads to the Customized object being loaded. Here, Customized is an issue, and it would be reloaded **once per custom field**.

Some caching would be needed here, where we directly provide the customized object to this method, although I am not sure what's best to do...

Related issues:

Related to Redmine - Feature #24477: CSV export feature for thousand of issues	New
Related to Redmine - Patch #31076: Issues CSV / PDF export via ActiveJob	New
Has duplicate Redmine - Defect #24755: Slow Queries because of Custom Fields	Closed

History

#1 - 2016-11-28 16:18 - Stephane Evr

- File fix_cache_issues.patch added

I have attached a (dirty) patch which fixed the problem for me. The export time is basically twice faster.

#2 - 2016-11-29 02:57 - Toshi MARUYAMA

- Related to Feature #24477: CSV export feature for thousand of issues added

#3 - 2017-11-04 07:01 - Go MAEDA

- Category set to Performance
- Priority changed from High to Normal

#4 - 2017-11-04 07:05 - Go MAEDA

- Has duplicate Defect #24755: Slow Queries because of Custom Fields added

#5 - 2019-03-21 12:36 - Go MAEDA

- Related to Patch #31076: Issues CSV / PDF export via ActiveJob added

Files

fix_cache_issues.patch 6.57 KB 2016-11-28 Stephane Evr

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