Redmine - Feature #39774

Add logging for issue deletion

2023-12-04 14:55 - Go MAEDA

Status:	New		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Issues		**Estimated time:**	0.00 hour
Target version:				
Resolution:				

Description

The attached patch introduces a new feature in the Issue model to log every issue deletion, enhancing audit trails.

My clients sometimes ask me to identify when and who deleted an issue, especially when deletions are accidental. For a single issue, you can pinpoint the responsible user by finding a line in the production.log that begins with "DELETE /issues/". From the following log, for instance, shows that "admin" deleted issue #1 at 2023-12-04 21:30:11.

```
Started DELETE "/issues/1" for 127.0.0.1 at 2023-12-04 21:30:11 +0900
Processing by IssuesController#destroy as HTML
  Parameters: {"utf8"=>"✓", "authenticity_token"=>"ivRuWNmGQjuDdNNgG6EeQLCF5b82SF3lx8-AwC-ML7CZ39c
ktgG40TiwjsmfOk0Wexs3UQsFt-cjT7dGOHt3Lg", "ids"=>["1"], "todo"=>"destroy", "reassign_to_id"=>"", "
commit"=>"Apply", "id"=>"1"}
  Current user: admin (id=1)
Redirected to http://localhost:3000/projects/ecookbook/issues
Completed 302 Found in 31ms (ActiveRecord: 5.7ms | Allocations: 14032)
```

However, identifying deletions is not possible when multiple issues are involved. For example, if issue #1 with subtask #15 and #16 is deleted, the log does not record the deletion of these subtasks. This lack of detailed logging poses a significant auditing problem.

To address this, the attached patch ensures that a "Deleted issue: ..." line is output to the production.log for each deleted issue, as shown below. This enhancement allows for comprehensive tracking of issue deletions.

```
Started DELETE "/issues/1" for 127.0.0.1 at 2023-12-04 21:45:17 +0900
Processing by IssuesController#destroy as HTML
  Parameters: {"utf8"=>"✓", "authenticity_token"=>"i6hBpwCTeMt_ZpTAeq5zWyOlVMCi0Lxdv2n7SM7y0hKIrzg
AIsxdNIqavoyNgpRIfQFOwqc6TLzBexEphZR2Ug", "ids"=>["1"], "todo"=>"destroy", "reassign_to_id"=>"", "
commit"=>"Apply", "id"=>"1"}
  Current user: admin (id=1)
Deleted issue: 'Feature request #15: Add a great feature' by Redmine Admin
Deleted issue: 'Bug #16: Serious bug that must be fixed ASAP' by Redmine Admin
Deleted issue: 'Bug #1: Cannot print recipes' by Redmine Admin
Redirected to http://localhost:3000/projects/ecookbook/issues
Completed 302 Found in 54ms (ActiveRecord: 10.1ms | Allocations: 32921)
```

History

#1 - 2023-12-04 15:07 - Go MAEDA

- File deleted (add_logging_for_issue_deletion.patch)

#2 - 2023-12-04 15:07 - Go MAEDA

- File add_logging_for_issue_deletion.patch added

#3 - 2023-12-05 00:38 - Go MAEDA

The current patch has a problem that a large amount of logs are output when deleting a project that has a large number of issues. It may be better to not output logs when issues are deleted as a result of project deletion.

#4 - 2023-12-08 17:59 - Lorenzo Meneghetti

Go MAEDA wrote:

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[...]

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[...]

What about for this to deliver a new global settings to enable *issue deletion audit* to be logged separately in a log called auditable_actions.log
Logging a large number of issues shouldn't be a problem otherwise what kind of audit would it be!

Files

add_logging_for_issue_deletion.patch	1.56 KB	2023-12-04	Go MAEDA