

Redmine - Feature #36691

Background job and dedicated status for project deletion

2022-02-23 10:17 - Jens Krämer

Status:	Closed	Start date:	
Priority:	Normal	Due date:	
Assignee:	Marius BĂLTEANU	% Done:	0%
Category:	Administration	Estimated time:	0.00 hour
Target version:	5.1.0		
Resolution:	Fixed		
Description			
<p>Due to the deletion of dependent objects (issues etc) and child projects, project deletion may take a long time.</p> <p>This patch, which was extracted from [Planio](https://plan.io/redmine-hosting), moves the actual project deletion into an ActiveJob job. It also introduces a new project status (SCHEDULED_FOR_DELETION) that is used to effectively hide the project that is about to be deleted (and any potential descendant projects) from the system immediately.</p> <p>A security notification is sent out to the user who deleted the project, informing about success / failure.</p> <p>The projects list is extended to be able to filter for the new status, so in case of a failure, the project can still be accessed for examination.</p>			
Related issues:			
Related to Redmine - Patch #31076: Issues CSV / PDF export via ActiveJob		New	
Related to Redmine - Feature #33422: Re-implement admin project list using Pr...		Closed	
Related to Redmine - Patch #37210: Make "Project" label translatable in app/v...		Closed	

Associated revisions

Revision 21591 - 2022-05-17 22:45 - Marius BĂLTEANU

Background job for project deletion (#36691).

Due to the deletion of dependent objects (issues etc), project deletion may take a long time.

This patch moves the actual project deletion into an ActiveJob job. It also introduces a new project status (SCHEDULED_FOR_DELETION) that is used to effectively hide the project that is about to be deleted (and any potential descendant projects) from the system immediately.

A security notification is sent out to the user that deleted the project, informing about success / failure.

The projects list is extended to be able to filter for the new status, so in case of a failure, the project can still be accessed for examination.

Patch by Jens Krämer.

Revision 21592 - 2022-05-17 22:50 - Marius BĂLTEANU

Adds projects bulk delete (#36691).

Patch by Jens Krämer.

Revision 21593 - 2022-05-17 22:53 - Marius BĂLTEANU

Fix random failing tests (#36691).

Patch by Jens Krämer.

Revision 21598 - 2022-05-19 10:14 - Marius BĂLTEANU

Remove test code (#36691).

Revision 21602 - 2022-05-25 15:32 - Go MAEDA

Update locales (#36691).

Revision 21624 - 2022-06-06 11:06 - Go MAEDA

Make "Project" label translatable in app/views/projects/bulk_destroy.html.erb (#36691, #37210).

Patch by Robert Korulczyk.

History

#1 - 2022-02-23 22:58 - Marius BĂLTEANU

- Target version set to Candidate for next major release

Nice feature!

#2 - 2022-02-23 23:00 - Marius BĂLTEANU

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

#3 - 2022-02-23 23:07 - Marius BĂLTEANU

Jens, should we take into consideration also [#34987](#)?

#4 - 2022-02-24 00:24 - James H

maybe my group members issue [#36696](#) can benefit from this as well

#5 - 2022-02-24 03:43 - Jens Krämer

Marius BALTEANU wrote:

Jens, should we take into consideration also [#34987](#)?

Ah, that's interesting. If I understand correctly, that would mean the project record (plus potential child projects' records) would be deleted synchronously, but removal of all dependent objects would be pushed to the job queue.

I see few problems with that:

1. Data integrity. Before the job is finished, we have an inconsistent database (i.e. issues referencing a nonexisting project). I am not sure we handle such a situation gracefully (i.e. resulting in an HTTP 404 vs a 500) in all cases.
2. Two transactions instead of one. Currently, if the project deletion fails due to a problem somewhere along the way (due to a failing callback for example), the transaction is rolled back and everything is as if nothing happened. Splitting the process in two separate transactions (one for the project, one later for the dependent objects), means the project record will be gone even if some dependent object insists on not being destroyed. I do not think core has any such callbacks, but plugins might.
3. Does not work at all when there are foreign keys referencing `projects.id`. We do not have such in core, but again, there may be plugins that do.

#6 - 2022-02-24 08:46 - Marius BĂLTEANU

Thanks Jens for your quick response.

#7 - 2022-03-28 23:08 - Marius BĂLTEANU

- Target version changed from Candidate for next major release to 5.1.0

#8 - 2022-03-31 13:07 - Jens Krämer

Marius, I just have re-submitted this patch as part of a larger work on the admin projects list in [#33422](#). It would be great if you could have a look and consider integrating that one instead.

#9 - 2022-04-03 09:48 - Marius BĂLTEANU

There is a random failing test, you can reproduce by running the tests using the following command: TESTOPTS="--seed=42328" rake test

Failure:

```
DestroyProjectJobTest#test_should_destroy_project_and_send_email [/work/test/unit/jobs/destroy_project_job_test.rb:60]:  
No enqueued job found with {:job=>ActionMailer::MailDeliveryJob, :args=>#<Proc:0x0000aaaafe3aec98 /work/test/unit/jobs/destroy_project_job_test.rb:62 (lambda)>}
```

Jens, can you take a look, please?

#10 - 2022-04-03 09:49 - Marius BĂLTEANU

- Related to Feature #33422: Re-implement admin project list using ProjectQuery system added

#11 - 2022-04-04 18:47 - Marius BĂLTEANU

- Assignee set to Jens Krämer

#12 - 2022-04-06 08:19 - Jens Krämer

- File `fix_failing_tests.diff` added

this is really strange, looks like under some circumstances emails are processed inline and not result in a queued mailer job. I did not find the cause of this, but the attached patch would handle both cases in the tests (the same issue exists in the test case for the job that handles deletion of multiple projects).

#13 - 2022-05-17 22:53 - Marius BĂLTEANU

- Status changed from New to Resolved

- Assignee changed from Jens Krämer to Marius BĂLTEANU

Both patches from [#33422](#) and the fix for tests committed, thank you for your contribution, really useful feature.

#14 - 2022-05-27 21:38 - Marius BĂLTEANU

- Status changed from Resolved to Closed

#15 - 2022-06-06 10:57 - Go MAEDA

- Related to Patch #37210: Make "Project" label translatable in `app/views/projects/bulk_destroy.html.erb` added

#16 - 2023-10-30 13:38 - Go MAEDA

- Tracker changed from Patch to Feature

- Resolution set to Fixed

Files

0001-background-job-for-project-deletion.patch	14 KB	2022-02-23	Jens Krämer
fix_failing_tests.diff	2.8 KB	2022-04-06	Jens Krämer