Redmine - Feature #16006

Include attachments in forum post notifications

2014-02-01 20:40 - T. Hauptman

Status:	Closed		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:	Go MAEDA		**% Done:**	0%
Category:	Email notifications		**Estimated time:**	0.00 hour
Target version:	4.2.0			
Resolution:	Fixed			

Description

The send_notification is called on message creation, before attachments are added. In my case, I need links to attachments to be sent in the notification email.

My app/views/mailer/message_posted.text.erb do do this is:

```
<%= @message.content %>

<% if @message.attachments.any? -%>
---<%= l(:label_attachment_plural).ljust(37, '-') %>
<% @message.attachments.each do |attachment| -%>
<%=attachment.filename%>: <%=send(:named_attachment_path, attachment, attachment.filename,:only_pa
th=>false) %> (<%= number_to_human_size(attachment.filesize) %>)
<% end -%>
<% end -%>
<%= @author.firstname + " " + @author.lastname + " - "+ @author.mail %>
```

If the forum message is created by an incoming email (with attachments) then no attachements are shown in outgoing notifications. If the forum message is created via the web form, the attachments are shown.

I fixed this by changing the send_notification trigger to after_commit. Patch attached.

Related issues:

Related to Redmine - Patch #1616: Allow email to create and reply to forum me...	**New**	**2008-07-10**
Related to Redmine - Feature #33002: Include attachments in news post notific...	**Closed**	

Associated revisions

Revision 19506 - 2020-02-11 03:34 - Go MAEDA

Include attachments in forum post notifications (#16006).

Patch by Yuichi HARADA.

History

#1 - 2014-02-28 08:50 - Toshi MARUYAMA

- Category set to Email notifications

#2 - 2014-02-28 08:52 - Toshi MARUYAMA

- Tracker changed from Patch to Defect

#3 - 2014-02-28 08:55 - Toshi MARUYAMA

- Tracker changed from Defect to Patch

#4 - 2014-02-28 08:55 - Toshi MARUYAMA

- Related to Patch #1616: Allow email to create and reply to forum messages added

#5 - 2019-10-29 06:36 - Yuichi HARADA

- File forum_notification_include_attachments.png added

- File 16006_forum_notification_include_attachments.patch added

T. Hauptman wrote:

> I fixed this by changing the send_notification trigger to after_commit.

Already improved by source:trunk/app/models/message.rb@17588#L48 . However, the attachments are not included in forum post notification. I created a patch to include attachments in forum post notification.

 forum_notification_include_attachments.png

#6 - 2019-10-30 10:30 - Go MAEDA

- Target version set to Candidate for next major release

#7 - 2019-12-19 13:08 - Go MAEDA
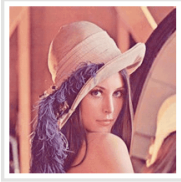
- File no-attachment-in-reply@2x.png added

Thank you for posting the patch. I tried out the patch but I am experiencing a problem that attachments are included only when a topic is created. No attachments information is in a notification when a reply is added.

#8 - 2019-12-26 01:56 - Yuichi HARADA

- File attachment-in-reply.png added

Go MAEDA wrote:

> Thank you for posting the patch. I tried out the patch but I am experiencing a problem that attachments are included only when a topic is created. No attachments information is in a notification when a reply is added.

It cannot be reproduced. Attachments information is in a notification when a reply is added.

attachment-in-reply.png

#9 - 2020-01-03 09:26 - Go MAEDA

I still see the problem when adding a reply.

I found that container_type and container_id have not been set to the attachment when sending notifications. Those values are set after the delivery is finished. So, @message.attachments.any? in app/views/mailer/message_posted.html.erb returns false when generating notification emails.

```
[ActiveJob] Enqueued ActionMailer::DeliveryJob (Job ID: ce613aa3-4241-4bc4-b59d-009475839967) to Inline(mailer
s) with arguments: "Mailer", "message_posted", "deliver_now", #<GlobalID:0x00007ff1b32ac090 @uri=#<URI::GID gi
d://redmine-app/User/1>>, #<GlobalID:0x00007ff1b0f1b680 @uri=#<URI::GID gid://redmine-app/Message/9>>
  Attachment Load (0.3ms)  SELECT  "attachments".* FROM "attachments" WHERE "attachments"."id" = ? AND "attach
ments"."digest" = ? LIMIT ?  [["id", 29], ["digest", "632a392af1de2e3de4d8b5ad62da7275550ee0004cdf9f54fa3de05c
d28d0aac"], ["LIMIT", 1]]
   (1.0ms)  begin transaction
```

```
  CACHE User Load (0.0ms)  SELECT  "users".* FROM "users" WHERE "users"."type" IN ('User', 'AnonymousUser') AN
D "users"."id" = ? LIMIT ?  [["id", 1], ["LIMIT", 1]]
  Attachment Update (1.1ms)  UPDATE "attachments" SET "container_id" = ?, "description" = ?, "container_type"
= ? WHERE "attachments"."id" = ?  [["container_id", 9], ["description", ""], ["container_type", "Message"], ["
id", 29]]
   (1.2ms)  commit transaction
```

#10 - 2020-01-23 06:08 - Yuichi HARADA

- File 16006_forum_notification_include_attachments_v2.patch added

Go MAEDA wrote:

> I still see the problem when adding a reply.

Perhaps I think that Message's callback method after_create_commit ([Message#send_notification](#)) fired before saving the attachments.
Add the following patch to [16006_forum_notification_include_attachments.patch](#) .

```diff
diff --git a/app/controllers/messages_controller.rb b/app/controllers/messages_controller.rb
index bbc6a35d4..2a0e341b6 100644
--- a/app/controllers/messages_controller.rb
+++ b/app/controllers/messages_controller.rb
@@ -77,10 +77,10 @@ class MessagesController < ApplicationController
     @reply.author = User.current
     @reply.board = @board
     @reply.safe_attributes = params[:reply]
+    @reply.save_attachments(params[:attachments])
     @topic.children << @reply
     if !@reply.new_record?
       call_hook(:controller_messages_reply_after_save, { :params => params, :message => @reply})
-      attachments = Attachment.attach_files(@reply, params[:attachments])
       render_attachment_warning_if_needed(@reply)
     end
     flash[:notice] = l(:notice_successful_update)
@@ -91,12 +91,14 @@ class MessagesController < ApplicationController
   def edit
     (render_403; return false) unless @message.editable_by?(User.current)
     @message.safe_attributes = params[:message]
-    if request.post? && @message.save
-      attachments = Attachment.attach_files(@message, params[:attachments])
-      render_attachment_warning_if_needed(@message)
-      flash[:notice] = l(:notice_successful_update)
-      @message.reload
-      redirect_to board_message_path(@message.board, @message.root, :r => (@message.parent_id && @message.id)
)
+    if request.post?
+      @message.save_attachments(params[:attachments])
+      if @message.save
+        render_attachment_warning_if_needed(@message)
+        flash[:notice] = l(:notice_successful_update)
+        @message.reload
+        redirect_to board_message_path(@message.board, @message.root, :r => (@message.parent_id && @message.i
d))
+      end
     end
   end
```

#11 - 2020-01-30 09:19 - Go MAEDA

Yuichi HARADA wrote:

> Perhaps I think that Message's callback method after_create_commit ([Message#send_notification](#)) fired before saving the attachments.
> Add the following patch to [16006_forum_notification_include_attachments.patch](#) .

Thank you for updating the patch. The latest patch works fine.

However, it may insert an orphaned row in the attachments table if Redmine fails to save a Message object for some reason. A possible cause is validation error when saving the Message object.

The following is an example of an orphaned row. Since Redmine failed to save a Message object, container_id and container_type of the Attachment object is nil.

```
[2] pry(main)> Attachment.last
```

```
  Attachment Load (0.3ms)  SELECT  "attachments".* FROM "attachments" ORDER BY "attachments"."id" DESC LIMIT ?
  [["LIMIT", 1]]
=> #<Attachment:0x00007ffa37fa58f0
 id: 28,
 container_id: nil,
 container_type: nil,
 filename: "lenna.jpg",
 disk_filename: "200130122359_lenna.jpg",
 filesize: 20401,
 content_type: "image/jpeg",
 digest: "632a392af1de2e3de4d8b5ad62da7275550ee0004cdf9f54fa3de05cd28d0aac",
 downloads: 0,
 author_id: 1,
 created_on: Thu, 30 Jan 2020 08:06:16 UTC +00:00,
 description: nil,
 disk_directory: "2020/01">
```

#12 - 2020-02-06 06:45 - Yuichi HARADA

Go MAEDA wrote:

> However, it may insert an orphaned row in the attachments table if Redmine fails to save a Message object for some reason. A possible cause is validation error when saving the Message object.
>
> The following is an example of an orphaned row. Since Redmine failed to save a Message object, container_id and container_type of the Attachment object is nil.
>
> [...]

Thank you for pointing out.
However, I think running the rake task redmine:attachments:prune on a regular basis should solve it.

#13 - 2020-02-06 09:05 - Go MAEDA

- Target version changed from Candidate for next major release to 4.2.0

Yuichi HARADA wrote:

> Go MAEDA wrote:
>
>> However, it may insert an orphaned row in the attachments table if Redmine fails to save a Message object for some reason. A possible cause is validation error when saving the Message object.
>>
>> The following is an example of an orphaned row. Since Redmine failed to save a Message object, container_id and container_type of the Attachment object is nil.
>>
>> [...]
>
> Thank you for pointing out.
> However, I think running the rake task redmine:attachments:prune on a regular basis should solve it.

You are right and I was wrong. Such orphaned attachments may also be created when attaching files to issues and the orphaned files are treated by rake redmine:attachments:prune. So, the patch doesn't have to consider the case and your patch 16006_forum_notification_include_attachments_v2.patch can be merged into the trunk as is.

Now I am setting the target version to 4.2.0.

#14 - 2020-02-11 03:34 - Go MAEDA

- Tracker changed from Patch to Feature

- Subject changed from Forum post notification does not include attachments to Include attachments in forum post notifications

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the patch. Thank you for your contribution.

#15 - 2020-02-11 03:35 - Go MAEDA

- Status changed from New to Closed

#16 - 2020-02-14 01:29 - Go MAEDA

- Related to Feature #33002: Include attachments in news post notifications added

Files

notify.patch	1.04 KB	2014-02-01	T. Hauptman
forum_notification_include_attachments.png	200 KB	2019-10-29	Yuichi HARADA
16006_forum_notification_include_attachments.patch	3.08 KB	2019-10-29	Yuichi HARADA
no-attachment-in-reply@2x.png	91 KB	2019-12-19	Go MAEDA
attachment-in-reply.png	370 KB	2019-12-26	Yuichi HARADA
16006_forum_notification_include_attachments_v2.patch	4.76 KB	2020-01-23	Yuichi HARADA