

Redmine - Defect #41502

Custom field values for versions are not copied when copying a project that includes versions

2024-10-18 09:44 - Minoru Maeda

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Candidate for next minor release		
Resolution:		Affected version:	

Description

When copying a project that includes versions, the versions themselves are copied, but any values entered in the custom fields for those versions are not.

Steps to Reproduce:

1. Go to "Custom fields » Versions » New custom field" and create a custom field (e.g., text format) for versions.
2. Create a version for a project.
3. Enter a value in the custom field for the version and save it.
4. Navigate to "Administration > Projects" and click "Copy" in the "Action" column for the project. In the "New project" screen, select "Versions (N) and Files" to include versions in the copy.
5. While the version itself is copied, the custom field values entered for the original version are not copied.

Redmine Infomation:

<https://svn.redmine.org/redmine/trunk@23140>

Environment:

Redmine version	5.1.3.devel
Ruby version	3.2.5-p208 (2024-07-26) [aarch64-linux]
Rails version	7.2.1.1
Environment	development
Database adapter	PostgreSQL
Mailer queue	ActiveJob::QueueAdapters::AsyncAdapter
Mailer delivery	smtp

Redmine settings:

Redmine theme	Default
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SCM:

Subversion	1.14.2
Mercurial	6.3.2
Bazaar	3.3.2
Git	2.46.1
Filesystem	

Redmine plugins:

no plugin installed

History

#1 - 2024-10-29 06:15 - Takenori TAKAKI

- File fix-41502.patch added

I've created a patch to fix this problem and attach it.
Confirmed it works on the latest trunk.
[Minoru Maeda](#), please review the patch!

#2 - 2024-10-31 09:29 - Minoru Maeda

[Takenori TAKAKI](#) wrote in [#note-1](#):

I've created a patch to fix this problem and attach it.
Confirmed it works on the latest trunk.
[Minoru Maeda](#), please review the patch!

Thank you for the patch. I applied the patch you provided to trunk@23170 and confirmed it works as expected. When copying the project, I was able to confirm that custom field values in the "Text" and "List" formats for versions were also carried over! This is fantastic!

I think it works well as it is, but I noticed two points:

- 1. Custom fields in the "File" format were not copied.
- 2. For the "Version" and "User" formats, if there were values that do not exist in the target project, the version itself was not copied.

For the first point, it seems necessary to copy the Attachment record because the container is not matching in Redmine::FieldFormat::AttachmentFormat#set_custom_field_value .

As for the second point, I could only think of the idea of logging it, similar to Project.copy_issues .

Using TAKAKI's patch as a base, I created a response proposal for the points mentioned above, but I still think TAKAKI's original patch is preferable for its simplicity and sufficient functionality.

```
diff --git a/app/models/project.rb b/app/models/project.rb
index c438be16d..778c4dlcf 100644
--- a/app/models/project.rb
+++ b/app/models/project.rb
@@ -1120,7 +1120,25 @@ class Project < ApplicationRecord
   attachment.copy(:container => new_version)
   end

+  new_version.custom_field_values = version.custom_field_values.inject({}) do |h, v|
+    if v.custom_field.field_format == 'attachment' && v.value.present?
+      attachment = v.custom_field.cast_value(v.value)
+
+      new_version_attachment = attachment.copy(container: new_version)
+      new_version_attachment.save
+      h[v.custom_field_id] = new_version_attachment.id
+    else
+      h[v.custom_field_id] = v.value
+    end
+  end
+
+  h
+end

   self.versions << new_version

+  if new_version.new_record?
+    logger&.info("Project#copy_versions: #{new_version.name} could not be copied: #{new_version.errors.full_messages}")
+  end
+end
end
```

#3 - 2024-11-11 06:51 - Go MAEDA

- Target version set to Candidate for next minor release

#4 - 2025-02-25 13:41 - Takenori TAKAKI

I've found that both my patch ([#note-1](#)) and the patch proposed by [Minoru Maeda](#) ([#note-2](#)) still have an issue: copying versions silently fails for certain custom field types (e.g., user lists or version lists) when the referenced users or versions do not exist in the target project.

I think it would be better to implement type-specific copy logic for custom fields, similar to what's done in Project#copy_issue.

Files

fix-41502.patch	1.55 KB	2024-10-29	Takenori TAKAKI
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