

RPM Support - Issue #7046

Adding a distribution tree to another repo doesn't work correctly

06/24/2020 10:54 PM - daviddavis

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	High	Due date:	
Assignee:		Estimated time:	0:00 hour
Category:		Groomed:	No
Sprint/Milestone:	Pulp RPM 3.5.0	Sprint Candidate:	No
Severity:	2. Medium	Tags:	Katello
Version:		Sprint:	
Platform Release:		Quarter:	
OS:			
Triaged:	Yes		
Description			
Steps to recreate:			
1. Create a repo A and sync down a distribution tree such as centos 8			
2. Create a new repo B			
3. Add the distribution tree to your new repo B (http://pulp/api/v3/repositories/rpm/rpm/.../modify/ add_content_units="...")			
Result:			
The new repo B now has a distribution tree whose BaseOS variant points to the original repo A that synced down the tree. Moreover, repo A shows it has a number of packages/etc while B only has one content unit.			
I think this could lead to strange situations where for example repo A can be deleted which would mess up the kickstart.			
Related issues:			
Related to Migration Plugin - Issue #6950: Migration of a distribution tree f...		CLOSED - CURRENTRELEASE	
Related to RPM Support - Task #7150: Do not have FK pointing to a main repo f...		CLOSED - CURRENTRELEASE	

Associated revisions

Revision ca39e84c - 07/23/2020 06:25 PM - ttereshc

Remove FK to the main repo from a distribution tree Variant.

No issues with repository removal. No issues with copying the same distribution tree into multiple repos.

closes #7150 <https://pulp.plan.io/issues/7150>

closes #7096 <https://pulp.plan.io/issues/7096>

closes #7046 <https://pulp.plan.io/issues/7046>

[nocoverage]

History

#1 - 06/24/2020 10:56 PM - daviddavis

I discovered this issue while working on exporting distribution trees. The problem I am currently dealing with is the circular graph that we create whereby a repo contains a distribution tree which in turn points to the repo itself. I'd probably recommend we create a new subrepo for each variant/addon instead of using the original repo to store distribution tree content.

#2 - 06/24/2020 11:00 PM - daviddavis

- Description updated

#3 - 06/25/2020 05:31 PM - dkliban@redhat.com

The copy (via modify API or recursive copy API) of a DistributionTree should create a new DistributionTree instance that references the new repository. This operation should also copy all the RPMs associated with the source repository.

#4 - 06/25/2020 05:48 PM - ttereshc

- Triaged changed from No to Yes

#5 - 06/25/2020 07:58 PM - ttereshc

- Sprint/Milestone set to Pulp 3.x RPM (Katello 4.1)

#6 - 06/26/2020 03:20 PM - ttereshc

- Priority changed from Normal to High

#7 - 06/26/2020 03:30 PM - daviddavis

The copy (via modify API or recursive copy API) of a DistributionTree should create a new DistributionTree instance that references the new repository. This operation should also copy all the RPMs associated with the source repository.

I don't think this fully solves the problem. Consider the following scenarios:

- Can a user delete a repository that has a DistributionTree? I think this is a problem since the DistributionTree has a foreign key to the repo (**edit**: This has been raised as [#7096](#))
- What happens when a user removes a DistributionTree from a repo?
- What happens when a user removes a DistributionTree from a repo and then adds it to another repo?
- What happens if I copy over a DistributionTree that already exists in the destination repo? I'm thinking this might happen in the promotion workflow.

#8 - 07/03/2020 04:05 PM - ttereshc

- Related to Issue #6950: Migration of a distribution tree fails when it is present in multiple repos added

#9 - 07/06/2020 04:53 PM - jsherril@redhat.com

- Tags Katello added

#10 - 07/15/2020 08:16 PM - ttereshc

- Related to Task #7150: Do not have FK pointing to a main repo from a DistributionTree Variant added

#11 - 07/23/2020 09:05 PM - ttereshc

- Status changed from NEW to MODIFIED

Applied in changeset [ca39e84c97a2bf96025b80cde4576fd4e720a61b](#).

#12 - 07/24/2020 07:13 PM - ttereshc

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE

#13 - 07/24/2020 07:17 PM - ttereshc

- Sprint/Milestone changed from Pulp 3.x RPM (Katello 4.1) to Pulp RPM 3.5.0