

RPM Support - Issue #9402

creating an empty publication before syncing with mirror=true could cause clients to refuse to use metadata

09/15/2021 05:32 PM - jsherril@redhat.com

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:	dalley	Estimated time:	0:00 hour
Category:		Groomed:	No
Sprint/Milestone:	3.16.0	Sprint Candidate:	No
Severity:	2. Medium	Tags:	Katello
Version:		Sprint:	Sprint 105
Platform Release:		Quarter:	
OS:			
Triaged:	Yes		
Description			
Given the current workflow with katello:			
<ol style="list-style-type: none">1. create a repository and a remote pointing to some upstream repo2. create a publication against version zero (timestamp in the repomd.xml file is CURRENT_TIME)3. distribute it4. configure a client to use the repo, yum repolist will show zero packages (as expected)5. Sync the repo with mirror=true6. distribute the newly created publication7. run yum repolist on the client			
The client will refuse to pull down new metadata because the new metadata has an older timestamp than the original empty metadata.			
A likely solution is to support specifying a repomd.xml timestamp when creating a publication.			
Related issues:			
Related to Pulp - Story #8856: As a user, I have a convenient UX for mirroring...		NEW	
Copied to RPM Support - Backport #9437: Backport #9402 "empty repos should be...		CLOSED - CURRENTRELEASE	

Associated revisions

Revision 2b63da48 - 09/23/2021 10:18 PM - dalley

Set the "revision" of empty repositories to 0

closes: #9402 <https://pulp.plan.io/issues/9402>

History

#1 - 09/23/2021 07:11 PM - dalley

- Related to Story #8856: As a user, I have a convenient UX for mirroring repositories added

#2 - 09/23/2021 07:15 PM - dalley

- Triaged changed from No to Yes

The way we'll probably fix this long-term is by bifurcating "repositories" into repositories which are exact clones of the upstream ones, like Katello library repos, and managed repos.

Clone repos can't be modified or published, and managed repos can't be synced against remotes. See for more details:

<https://pulp.plan.io/issues/8856>

In the meantime we can only really mitigate this issue by (having Katello) not publish, or having a special case which uses a revision of 0 if the repository is going to be empty (no packages), which will resolve the issue in one particular case. Generally speaking if the repo is flipping between mirror and non-mirror, there is not a lot we can do.

#3 - 09/23/2021 08:16 PM - dalley

- Status changed from NEW to POST
- Assignee set to dalley
- Sprint set to Sprint 105

#4 - 09/23/2021 08:33 PM - pulpbot

PR: https://github.com/pulp/pulp_rpm/pull/2131

#5 - 09/23/2021 08:46 PM - dalley

- Sprint/Milestone set to 3.16.0

#6 - 09/23/2021 08:47 PM - dalley

- Copied to Backport #9437: Backport #9402 "empty repos should be published with revision 0" to 3.14.z added

#7 - 09/23/2021 10:19 PM - dalley

- Status changed from POST to MODIFIED

Applied in changeset [2b63da4854bfdb9652128be612bdcdeaaf2583e0](#).

#8 - 10/20/2021 09:07 PM - pulpbot

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE