RPM Support - Issue #9387

Depsolving computes repoclosure once per-rpm being copied

09/13/2021 05:42 PM - ggainey

Status:	CLOSED - CURRENTRELEASE		**Start date:**	
Priority:	Urgent		**Due date:**	
Assignee:	ggainey		**Estimated time:**	0:00 hour
Category:				
Sprint/Milestone:	3.16.0			
Severity:	3. High		**Groomed:**	No
Version:			**Sprint Candidate:**	No
Platform Release:			**Tags:**	
OS:			**Sprint:**	Sprint 105
Triaged:	No		**Quarter:**	

Description
Unlike Pulp2, Pulp3 on-copy depsolving is computing repoclosure on the destination repo once **per RPM copied** . It only takes 1s to compute - but when copying 10K rpms, that adds up, in both CPU and memory.

Related issues:	
Has duplicate RPM Support - Issue #9335: Huge memory consumption when perform...	**CLOSED - DUPLICATE**
Copied to RPM Support - Backport #9388: Backport "Depsolving computes repoclo...	**CLOSED - CURRENTRELEASE**

Associated revisions

Revision 4594deb8 - 09/14/2021 01:28 PM - ggainey

Fix depsolving perf-issues by doing repoclosure once.

fixes #9387. [nocoverage]

History

#1 - 09/13/2021 05:59 PM - ggainey

The reason this is happening is that we addressed https://pulp.plan.io/issues/6820. My contention is tha the bahvior called out by 6820 is in fact **correct**. On copy, what we try to insure is repoclosure for yum/dnf's sake - if you issue "dnf install foo" should result in the **latest version of foo** being installed.

Note that Pulp2 depsolving code currently also only does repo-closure on the final repo - see
https://github.com/pulp/pulp_rpm/blob/2-master/plugins/pulp_rpm/plugins/importers/yum/pulp_solv.py#L987-L990

#2 - 09/13/2021 06:35 PM - ggainey

- Copied to Backport #9388: Backport "Depsolving computes repoclosure once per-rpm being copied" to 3.14.z added

#3 - 09/13/2021 07:08 PM - pulpbot

- Status changed from ASSIGNED to POST

PR: https://github.com/pulp/pulp_rpm/pull/2123

#4 - 09/14/2021 01:28 PM - ggainey

- Status changed from POST to MODIFIED

Applied in changeset 4594deb84fb8df9a8ba131daacc2f7d98626d456.

#5 - 09/14/2021 03:11 PM - dalley

- Sprint/Milestone set to 3.16.0

#6 - 09/22/2021 05:16 AM - dalley

- Has duplicate Issue #9335: Huge memory consumption when performing depsolving-enabled copies added

#7 - 10/20/2021 09:07 PM - pulpbot

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE