RPM Support - Story #5402

As a developer, Package content allows ORDER_BY in postgres based on EVR comparisons

09/04/2019 04:29 PM - ggainey

Status:	CLOSED - CURRENTRELEASE	**Start date:**		
Priority:	Normal	**Due date:**		
Assignee:	dalley	**% Done:**		100%
Category:		**Estimated time:**		0:00 hour
Sprint/Milestone:	Pulp RPM 3.5.0			
Platform Release:		**Tags:**		
Groomed:	No	**Sprint:**		
Sprint Candidate:	No	**Quarter:**		

Description

In order to be able to do things like ORDER BY (EVR) in postgres on the Package content unit, we need to have a type and a comparison method available. Some examples of this include:

Debian:

- https://packages.debian.org/sid/postgresql-11-debversion

Spacewalk:

- https://github.com/spacewalkproject/spacewalk/blob/master/schema/spacewalk/postgres/class/evr_t.sql
- https://github.com/spacewalkproject/spacewalk/blob/master/schema/spacewalk/postgres/packages/rpm.pkb#L194

VMaaS:

- https://github.com/RedHatInsights/vmaas/blob/master/database/vmaas_db_postgresql.sql#L8

We should probably adopt one of the existing methods for the Package model.

Related issues:

Blocks RPM Support - Story #5367: As a user, I can have a sync option that re...	**CLOSED - CURRENTRELEASE**

Associated revisions

Revision ce6c3644 - 06/30/2020 08:47 PM - dalley

Add database support for comparing EVR

closes: #5402 https://pulp.plan.io/issues/5402

[nocoverage]

History

#1 - 09/04/2019 04:35 PM - bmbouter

- Subject changed from As Pulp3, I need to be able to do ORDER_BY in postgres based on EVR comparisons to As a developer, Package content allows ORDER_BY in postgres based on EVR comparisons

- Description updated

Is the idea that there will be a field on the model and a DB trigger would populate it?

#2 - 09/04/2019 04:39 PM - ggainey

bmbouter wrote:

Is the idea that there will be a field on the model and a DB trigger would populate it?

Depends on the exact approach - VMaaS, for example, creates the evr_t array and inserts it directly:

https://github.com/RedHatInsights/vmaas/blob/master/reposcan/database/package_store.py#L45

#3 - 09/04/2019 05:22 PM - bmbouter

ggainey wrote:

> bmbouter wrote:
>
>> Is the idea that there will be a field on the model and a DB trigger would populate it?
>
> Depends on the exact approach - VMaaS, for example, creates the evr_t array and inserts it directly:
>
> https://github.com/RedHatInsights/vmaas/blob/master/reposcan/database/package_store.py#L45

I see thank you. So we could do it either way.

#4 - 02/25/2020 07:33 PM - ttereshc

- *Priority changed from Normal to High*

- *Sprint/Milestone set to Priority items (outside of planned milestones/releases)*

Priority is high assuming this is blocking support of "keep N versions of RPMs in a repo"

#5 - 02/25/2020 07:51 PM - ttereshc

- *Blocked by Story #5950: Add database support for comparing EVRs added*

#6 - 02/25/2020 07:52 PM - ttereshc

- *Blocks Story #5367: As a user, I can have a sync option that retains the latest N packages of the same name added*

#7 - 05/27/2020 06:35 PM - ttereshc

- *Sprint/Milestone changed from Priority items (outside of planned milestones/releases) to Pulp 3.x RPM (Katello 4.1)*

#8 - 05/27/2020 06:37 PM - ttereshc

- Priority changed from High to Normal

#9 - 06/22/2020 07:50 PM - dalley

- Blocked by deleted (Story #5950: Add database support for comparing EVRs)

#10 - 06/22/2020 07:50 PM - dalley

- Status changed from NEW to POST

- Assignee set to dalley

#11 - 07/02/2020 08:27 PM - dalley

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [ce6c3644b2a912e37837e782b8c1aa02e157c282](ce6c3644b2a912e37837e782b8c1aa02e157c282).

#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