

RPM Support - Backport #9195

Backport #8713 "Pulp 3 to Pulp 2 sync fails if comps.xml has a group with an empty packagelist" to 3.11.z

08/03/2021 02:18 PM - ttereshc

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:	ttereshc	% Done:	100%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:	3.11.2	Sprint:	
Triaged:	No	Quarter:	
Sprint Candidate:	No		
Tags:	Katello		

Description

To reproduce:

- Pulp 3: sync/publish/distribute RHEL8 Appstream (which has a group "conflicts-appstream" which has an empty packagelist)
- Pulp 2: sync from the repo above, observe the following error

```
'NoneType' object has no attribute 'findall'
Traceback (most recent call last):
  File "/usr/lib/python2.7/site-packages/pulp_rpm/plugins/importers/yum/sync.py", line 321, in ru
n
    group.GROUP_TAG)
  File "/usr/lib/python2.7/site-packages/pulp_rpm/plugins/importers/yum/sync.py", line 950, in ge
t_comps_file_units
    self.save_fileless_units(group_file_handle, tag, process_func, mutable_type=True)
  File "/usr/lib/python2.7/site-packages/pulp_rpm/plugins/importers/yum/sync.py", line 1006, in s
ave_fileless_units
    for model in package_info_generator:
  File "/usr/lib/python2.7/site-packages/pulp_rpm/plugins/importers/yum/repomd/packages.py", line
64, in package_list_generator
    package_info = process_func(element)
  File "/usr/lib/python2.7/site-packages/pulp_rpm/plugins/importers/yum/repomd/group.py", line 32
, in process_group_element
    packagelist.findall('packagereq')
AttributeError: 'NoneType' object has no attribute 'findall'
INFO: [ac1cd020] Task failed : [ac1cd020-c06c-4d53-ac08-1adbab8c41b1]
Task pulp.server.managers.repo.sync.sync[ac1cd020-c06c-4d53-ac08-1adbab8c41b1] raised unexpected:
PulpExecutionException('Importer indicated a failed response',)
Traceback (most recent call last):
  File "/usr/lib/python2.7/site-packages/celery/app/trace.py", line 367, in trace_task
    R = retval = fun(*args, **kwargs)
  File "/usr/lib/python2.7/site-packages/pulp/server/async/tasks.py", line 688, in __call__
    return super(Task, self).__call__(*args, **kwargs)
  File "/usr/lib/python2.7/site-packages/pulp/server/async/tasks.py", line 110, in __call__
    return super(PulpTask, self).__call__(*args, **kwargs)
  File "/usr/lib/python2.7/site-packages/celery/app/trace.py", line 622, in __protected_call__
    return self.run(*args, **kwargs)
  File "/usr/lib/python2.7/site-packages/pulp/server/controllers/repository.py", line 860, in syn
c
    raise pulp_exceptions.PulpExecutionException(_('Importer indicated a failed response'))
PulpExecutionException: Importer indicated a failed response
```

Pulp 3 uses libcomps to generate a comps.xml file and it doesn't generate empty XML elements.

Pulp 2 expects packagelist to be always present, even if empty.

It also seems to be a mandatory however it is according to [the unofficial spec](#).

Related issues:

Copied from RPM Support - Issue #8713: Pulp 3 to Pulp 2 sync fails if comps.x...

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Associated revisions

Revision 84e42021 - 08/24/2021 04:39 PM - ttereshc

Configure createrepo_c to always generate packagelist element within a package group.

Pulp 2 relies on the packagelist element being present, even if it's empty. It also seems to be a mandatory element according to this unofficial spec https://pagure.io/rpm-metadata/blob/master/f/fedora/comps-schema/comps.dtd#_6

Before this fix, the packagelist element would only be generated if there is at least one package in a group.

backports #8713 <https://pulp.plan.io/issues/8713>

fixes #9195

(cherry picked from commit 7673cab74e40223fcfb79ada792345356e5945f9)

History

#1 - 08/03/2021 02:18 PM - ttereshc

- Copied from Issue #8713: Pulp 3 to Pulp 2 sync fails if comps.xml has a group with an empty packagelist added

#2 - 08/03/2021 02:20 PM - ttereshc

- Tags Katello added

#3 - 08/22/2021 10:57 PM - ttereshc

- Assignee set to ttereshc

#4 - 08/22/2021 11:14 PM - pulpbot

- Status changed from NEW to POST

PR: https://github.com/pulp/pulp_rpm/pull/2090

#5 - 08/24/2021 04:39 PM - ttereshc

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [84e420215e586e0c3a839d6523f64c0015ed211a](https://pagure.io/rpm-metadata/blob/master/f/fedora/comps-schema/comps.dtd#_6).

#6 - 08/24/2021 06:43 PM - ttereshc

- Sprint/Milestone set to 3.11.2

#7 - 08/25/2021 12:53 AM - pulpbot

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE