

RPM Support - Issue #2032

pulp sets reboot_suggested to True for all errata when syncing from published repo

06/22/2016 10:16 PM - cduryee

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	High	Due date:	
Assignee:	mhrivnak	Estimated time:	0:00 hour
Category:			
Sprint/Milestone:			
Severity:	2. Medium	Groomed:	No
Version:		Sprint Candidate:	No
Platform Release:	2.8.6	Tags:	Easy Fix, Pulp 2
OS:		Sprint:	Sprint 4
Triaged:	Yes	Quarter:	
Description			
If you have a Pulp server that syncs down a repo, then another Pulp server that syncs from the first Pulp, the second server will have "reboot_suggested = True" for all of its errata.			
To repro:			
<ul style="list-style-type: none">• sync RHEL 7• publish• on another pulp server server, sync RHEL 7 from the first Pulp's publish location			
result: all errata on second server will have "reboot_suggested = True"			
add'l info: It looks like not all errata (from non-Pulp sources) have "reboot_suggested" set, and it is only set at all if it's True. However, Pulp treats this as a boolean, so it becomes False upon the first sync/publish. The tricky part is that Pulp's importer then treats the existence of this flag as meaning True, even if it's false. The following snippet from the yum code illustrates:			
<pre>elif child.tag == 'reboot_suggested': self._md['reboot_suggested'] = True</pre>			
Pulp follows this same convention, but it means if you sync/publish from one Pulp to another, everything ends up being marked as reboot suggested.			
Related issues:			
Related to Packaging - Task #2083: Issues common to 2.9.1 and 2.8 stream		CLOSED - NOTABUG	

Associated revisions

Revision 07bb1c33 - 06/30/2016 07:40 PM - mhrivnak

Fixes publish of Errata with reboot_suggested == False

Additionally, this enables sync to fix any values of reboot_suggested that are incorrect due to having previously sync'd from a pulp that had published with the previous behavior.

fixes #2032 <https://pulp.plan.io/issues/2032>

History

#1 - 06/24/2016 04:42 PM - amacdona@redhat.com

- Priority changed from Normal to High

- Triaged changed from No to Yes

- Tags Easy Fix added

#2 - 06/24/2016 05:14 PM - mhrivnak

Apparently yum considers the presence of the "reboot_suggested" element to be an indication that the reboot is suggested, regardless of what text value it has. Here is the code (from yum 3.4.3, current "master" branch) that parses a package in a package list, with the relevant lines being right at

the end:

```
def _parse_package(self, elem):
    """
    Parse an individual package::

        <!ELEMENT package (filename, sum, reboot_suggested)>
        <!ATTLIST package name CDATA #REQUIRED>
        <!ATTLIST package version CDATA #REQUIRED>
        <!ATTLIST package release CDATA #REQUIRED>
        <!ATTLIST package arch CDATA #REQUIRED>
        <!ATTLIST package epoch CDATA #REQUIRED>
        <!ATTLIST package src CDATA #REQUIRED>
        <!ELEMENT reboot_suggested (#PCDATA)>
        <!ELEMENT filename (#PCDATA)>
        <!ELEMENT sum (#PCDATA)>
        <!ATTLIST sum type (md5|sha1) "sha1">
    """
    package = {}
    for pkgfield in ('arch', 'epoch', 'name', 'version', 'release', 'src'):
        package[pkgfield] = elem.attrib.get(pkgfield)

    # Bad epoch and arch data is the most common (missed) screwups.
    # Deal with bad epoch data.
    if not package['epoch'] or package['epoch'][0] not in '0123456789':
        package['epoch'] = None

    for child in elem:
        if child.tag == 'filename':
            package['filename'] = child.text
        elif child.tag == 'sum':
            package['sum'] = (child.attrib.get('type'), child.text)
        elif child.tag == 'reboot_suggested':
            self._md['reboot_suggested'] = True
    return package
```

Thus, pulp's publish should omit the reboot_suggested element in the case where it is False.

#3 - 06/24/2016 05:17 PM - mhrivnak

Fixing errata in pulp that incorrectly have the reboot_suggested value set to True may be tricky. We can't do a migration, because there's no way to know what the right value should be.

I think the only option is to check and fix the value during sync. There is already code on the Errata model for merging a freshly-downloaded errata record with a previously-retrieved one that's in the DB, for the purpose of merging package lists. That could also check the reboot_suggested values and adjust them accordingly.

#4 - 06/24/2016 10:21 PM - mhrivnak

- Sprint/Milestone set to 22

#6 - 06/24/2016 10:22 PM - mhrivnak

- Status changed from NEW to ASSIGNED

- Assignee set to mhrivnak

#7 - 06/29/2016 06:47 PM - mhrivnak

- Status changed from ASSIGNED to POST

https://github.com/pulp/pulp_rpm/pull/923

#8 - 06/30/2016 08:07 PM - mhrivnak

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [07bb1c338aa230b1283b26999e9950f268676f5e](https://github.com/pulp/pulp_rpm/pull/923).

#9 - 06/30/2016 08:15 PM - mhrivnak

- Platform Release set to 2.8.6

#10 - 07/01/2016 07:18 PM - Ichimonji10

See: <https://github.com/PulpQE/pulp-smash/pull/327>

#11 - 07/01/2016 09:53 PM - Ichimonji10

- Status changed from MODIFIED to ASSIGNED

I've provisioned a fresh pair of Pulp master (2.9) and 2.8.6 systems. Pulp master acts as expected. Pulp 2.8.6 still inserts a <reboot_suggested>False</reboot_suggested> element into updateinfo.xml.

#12 - 07/04/2016 04:54 AM - pthomas@redhat.com

On the first server

```
[root@pulp-server1 ~]# pulp-admin rpm repo create --repo-id rhel7extra --feed http://cdn.rcm-internal.redhat.com/content/dist/rhel/rhui/server/7/7Server/x86_64/extras/os/
Successfully created repository [rhel7extra]
```

```
[root@pulp-server1 ~]# pulp-admin rpm repo update --repo-id rhel7extra --serve-http true
This command may be exited via ctrl+c without affecting the request.
```

```
[\]
Running...
Updating distributor: yum_distributor
```

Task Succeeded

```
[\]
Running...
Updating distributor: export_distributor
```

Task Succeeded

```
[root@pulp-server1 ~]# pulp-admin rpm repo sync run --repo-id rhel7extra
+-----+
+-----+ Synchronizing Repository [rhel7extra] +-----+
+-----+
```

This command may be exited via ctrl+c without affecting the request.

Downloading metadata...

```
[/]
... completed
```

Downloading repository content...

```
[-]
[=====] 100%
RPMs:      249/249 items
Delta RPMs: 0/0 items
```

... completed

Downloading distribution files...

```
[=====] 100%
Distributions: 0/0 items
... completed
```

Importing errata...

```
[|]
... completed
```

Importing package groups/categories...

```
[-]
... completed
```

Cleaning duplicate packages...

```
[\]
... completed
```

Task Succeeded

Initializing repo metadata

```
[-]
... completed
```

Publishing Distribution files

[-]
... completed

Publishing RPMs

[=====] 100%
249 of 249 items
... completed

Publishing Delta RPMs

... skipped

Publishing Errata

[=====] 100%
173 of 173 items
... completed

Publishing Comps file

[-]
... completed

Publishing Metadata.

[-]
... completed

Closing repo metadata

[-]
... completed

Generating sqlite files

... skipped

Publishing files to web

[-]
... completed

Writing Listings File

[-]
... completed

Writing Listings File

[-]
... completed

Task Succeeded

```
[root@pulp-server1 ~]# pulp-admin rpm repo content errata --repo-id rhel7extra --erratum-id RHEA-2015:0617
```

```
+-----+  
| Erratum: RHEA-2015:0617 |  
+-----+
```

Id: RHEA-2015:0617
Title: new package: flannel
Summary: A new flannel package is now available for Red Hat Enterprise Linux 7 Extras.

Description:

Flannel is an etcd-driven address management agent. It is used to manage the IP addresses of overlay networks between systems running containers that need to communicate with one another.

This enhancement update adds the flannel package to Red Hat Enterprise Linux 7 Extras. (BZ#1174665)

All users who require flannel are advised to install this new package.

Severity:

Type: enhancement
Issued: 2015-03-05 00:00:00
Updated: 2015-03-05 00:00:00
Version: 1
Release:
Status: final
Reboot Suggested: No

Updated Packages:

flannel-0:0.2.0-6.el7.x86_64

References:

ID: None

Type: self

Link: <https://rhn.redhat.com/errata/RHEA-2015-0617.html>

On the 2nd server

```
[root@pulp-server2 ~]# pulp-admin rpm repo create --repo-id rhel7extra --feed http://pulp-server1]/pulp/repos/content/dist/rhel/rhui/server/7/7Server/x86_64/extras/os/
Successfully created repository [rhel7extra]
```

```
[root@pulp-server2~]#
[root@pulp-server2 ~]# pulp-admin rpm repo sync run --repo-id rhel7extra
+-----+
|                Synchronizing Repository [rhel7extra]                |
+-----+
```

This command may be exited via ctrl+c without affecting the request.

Downloading metadata...

```
[|]
... completed
```

Downloading repository content...

```
[-]
[=====] 100%
RPMs:      249/249 items
Delta RPMs: 0/0 items
```

... completed

Downloading distribution files...

```
[-]
[=====] 100%
Distributions: 0/0 items
... completed
```

Importing errata...

```
[\]
... completed
```

Importing package groups/categories...

```
[-]
... completed
```

Cleaning duplicate packages...

```
[-]
... completed
```

Task Succeeded

Initializing repo metadata

```
[-]
... completed
```

Publishing Distribution files

```
[-]
... completed
```

Publishing RPMs

```
[-]
[=====] 100%
249 of 249 items
... completed
```

Publishing Delta RPMs

... skipped

Publishing Errata

```
[-]
[=====] 100%
173 of 173 items
... completed
```

Publishing Comps file

[-]
... completed

Publishing Metadata.

[-]
... completed

Closing repo metadata

[-]
... completed

Generating sqlite files

... skipped

Publishing files to web

[-]
... completed

Writing Listings File

[-]
... completed

Task Succeeded

```
[root@pulp-server2 ~]# pulp-admin rpm repo content errata --repo-id rhel7extra --erratum-id RHEA-2015:0617
```

```
+-----+  
| Erratum: RHEA-2015:0617 |  
+-----+
```

Id: RHEA-2015:0617
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Flannel is an etcd-driven address management agent. It is used to manage the IP addresses of overlay networks between systems running containers that need to communicate with one another.

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Release:
Status: final
Reboot Suggested: Yes

Updated Packages:

flannel-0:0.2.0-6.el7.x86_64

References:

ID:
Type: self
Link: <https://rhn.redhat.com/errata/RHEA-2015-0617.html>

#13 - 07/05/2016 02:31 PM - mhrivnak

- Sprint/Milestone changed from 22 to 23

#14 - 07/05/2016 02:45 PM - mhrivnak

Please include the specific build of 2.8.6 you used. I assume it's a nightly, since I don't think there have been any others. My first step in investigating will be to confirm whether the code change was present in the build that was tested.

#15 - 07/05/2016 03:55 PM - mhrivnak

- Status changed from ASSIGNED to MODIFIED

- Sprint/Milestone changed from 23 to 22

Since there hasn't been a nightly build since before this fix was merged, I assume the build that was tested did not include the fix. I'm moving this back to MODIFIED. It will need to be re-tested once we get a new 2.8 nightly build. We'll try to get one built ASAP.

#16 - 07/05/2016 06:21 PM - pthomas@redhat.com

- Status changed from MODIFIED to 6

verified

```
# rpm -qa |grep pulp-server
pulp-server-2.8.6-0.1.alpha.git.20.9bf5a56.el7.noarch
```

```
[root@pulp-server2 ~]# pulp-admin rpm repo create --repo-id rhel7extra --feed http://pulp-server1/pulp/repos/content/dist/rhel/rhui/server/7/7Server/x86_64/extras/os/
Successfully created repository [rhel7extra]
```

```
[root@pulp-server2 ~]# pulp-admin rpm repo sync run --repo-id rhel7extra
+-----+
|                Synchronizing Repository [rhel7extra]                |
+-----+
```

This command may be exited via ctrl+c without affecting the request.

Downloading metadata...

```
[-]
... completed
```

Downloading repository content...

```
[-]
[=====] 100%
RPMs:      249/249 items
Delta RPMs: 0/0 items
... completed
```

Downloading distribution files...

```
[-]
[=====] 100%
Distributions: 0/0 items
... completed
```

Importing errata...

```
[\]
... completed
```

Importing package groups/categories...

```
[-]
... completed
```

Cleaning duplicate packages...

```
[-]
... completed
```

Task Succeeded

Initializing repo metadata

```
[-]
... completed
```

Publishing Distribution files

```
[-]
... completed
```

Publishing RPMs

```
[-]
[=====] 100%
249 of 249 items
... completed
```

Publishing Delta RPMs

```
... skipped
```

Publishing Errata

```
[-]
[=====] 100%
173 of 173 items
... completed
```


- Status changed from 6 to CLOSED - CURRENTRELEASE

#20 - 07/19/2016 09:00 PM - semyers

- Related to Task #2083: Issues common to 2.9.1 and 2.8 stream added

#22 - 03/08/2018 07:54 PM - bmbouter

- Sprint set to Sprint 4

#23 - 03/08/2018 07:57 PM - bmbouter

- Sprint/Milestone deleted (22)

#24 - 04/15/2019 10:28 PM - bmbouter

- Tags Pulp 2 added