

## RPM Support - Story #2

As a user, my rpm sync finishes quickly when upstream metadata hasn't changed

12/18/2014 05:12 PM - Anonymous

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	mhrivnak	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>		<b>Tags:</b>	Pulp 2
<b>Platform Release:</b>	2.6.2	<b>Sprint:</b>	April 2015
<b>Groomed:</b>	Yes	<b>Quarter:</b>	
<b>Sprint Candidate:</b>	Yes		
<b>Description</b>			
<p>The repomd.xml file has its own timestamp in the XML, and then each file it references has its own timestamp. The treeinfo file contains its own timestamp, which already gets checked for freshness. We should check the repomd.xml timestamp and skip the rest of the sync if it hasn't changed. This will reduce the sync time for a big repo from possibly 1-2 minutes to a small number of seconds when the upstream repo hasn't changed. This will also help us be smarter about when the distribution files get re-downloaded.</p>			
Deliverables:			
<ul style="list-style-type: none"><li>rpm sync checks the timestamp in repomd.xml, and skips all unit types but "distribution" if it hasn't changed since the last sync.</li><li>tell Katello team (specifically jsherrill) about this change once it's in Pulp. They might be able to remove some code on their end once this is in place.</li><li>release notes</li></ul>			

### Associated revisions

#### Revision 183cb1eb - 04/21/2015 10:04 PM - mhrivnak

Sync now skips most steps if the feed metadata has not changed.

closes #2

### History

#### #2 - 03/25/2015 09:35 PM - mhrivnak

- Description updated

#### #3 - 04/08/2015 03:11 PM - mhrivnak

- Tags Sprint Candidate added

#### #4 - 04/08/2015 03:12 PM - mhrivnak

- Priority changed from Normal to High

#### #5 - 04/08/2015 03:59 PM - cduryee

- Description updated

#### #6 - 04/08/2015 04:21 PM - mhrivnak

- Description updated

- Tags Groomed added

#### #7 - 04/10/2015 05:19 PM - mhrivnak

- Status changed from NEW to ASSIGNED

- Assignee set to mhrivnak

**#8 - 04/13/2015 04:53 AM - mhrivnak**

- Description updated

I'm reducing the scope of this story because doing per-unit-type timestamp checking proved to be far more complex than it's worth. We can revisit once this workflow gets stepified, which should make that much more achievable.

**#9 - 04/13/2015 05:04 AM - mhrivnak**

- % Done changed from 0 to 50

**#10 - 04/16/2015 10:56 PM - mhrivnak**

- Status changed from ASSIGNED to POST

- % Done changed from 50 to 90

[https://github.com/pulp/pulp\\_rpm/pull/674](https://github.com/pulp/pulp_rpm/pull/674)

**#11 - 04/20/2015 09:53 PM - mhrivnak**

- Platform Release set to 2.6.2

closed above PR, opened this one instead: [https://github.com/pulp/pulp\\_rpm/pull/676](https://github.com/pulp/pulp_rpm/pull/676)

**#12 - 04/21/2015 10:38 PM - mhrivnak**

- Status changed from POST to MODIFIED

- % Done changed from 90 to 100

Applied in changeset [183cb1eb4c5c06c61d7e10f2bb46129a28f403ea](#).

**#13 - 04/21/2015 10:51 PM - mhrivnak**

- Sprint/Milestone set to 15

**#14 - 05/04/2015 09:46 PM - bmbouter**

- Groomed set to Yes

- Tags deleted (Groomed)

**#15 - 05/04/2015 09:55 PM - bmbouter**

- Sprint Candidate set to Yes

- Tags deleted (Sprint Candidate)

**#16 - 05/19/2015 02:00 AM - dkliban@redhat.com**

- Status changed from MODIFIED to 5

**#18 - 05/26/2015 06:08 PM - pthomas@redhat.com**

- Status changed from 5 to 6

Verified

```
[root@mgmt12 ~]# rpm -qa pulp-server
pulp-server-2.6.2-0.2.beta.el6.noarch
[root@mgmt12 ~]#
```

```
[root@mgmt12 ~]# time pulp-admin rpm repo sync run --repo-id rad-5Client
-----+
          Synchronizing Repository [rad-5Client]
-----+

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

Downloading metadata...
[\]
... completed

Downloading repository content...
[=====] 100%
RPMs:      0/0 items
Delta RPMs: 0/0 items

... completed

Downloading distribution files...
[=====] 100%
Distributions: 0/0 items
... completed

Importing errata...
[-]
... completed

Importing package groups/categories...
[-]
... completed

Task Succeeded

Copying files
[-]
... completed

Initializing repo metadata
[-]
... completed

Publishing Distribution files
[-]
... completed

Publishing RPMs
[                                 ] 0%
0 of 76 items
... completed

Publishing Delta RPMs
... skipped

Publishing Errata
[=====] 100%
1487 of 1487 items
... completed

Publishing Comps file
[=====] 100%
27 of 27 items
... completed

Publishing Metadata.
[-]
... completed

Closing repo metadata
[-]
... completed

Generating sqlite files
[\]
```



Publishing Errata  
[=====] 100%  
2913 of 2913 items  
... completed

Publishing Comps file  
[=====] 100%  
212 of 212 items  
... completed

Publishing Metadata.  
[-]  
... completed

Closing repo metadata  
[-]  
... completed

Generating sqlite files  
... skipped

Publishing files to web  
[/]  
... completed

Writing Listings File  
[-]  
... completed

Task Succeeded

real 1m17.722s  
user 0m1.785s  
sys 0m0.203s

**#20 - 02/08/2016 07:56 PM - rbarlow**  
- Status changed from 6 to CLOSED - CURRENTRELEASE

**#22 - 03/08/2018 07:14 PM - bmbouter**

- *Sprint set to April 2015*

**#23 - 03/08/2018 07:15 PM - bmbouter**

- *Sprint/Milestone deleted (15)*

**#24 - 04/15/2019 11:23 PM - bmbouter**

- *Tags Pulp 2 added*