

## Pulp - Issue #6147

### Repository.latest\_version() doesn't take into account deleted repository versions

02/12/2020 07:45 PM - dalley

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	fao89	<b>Estimated time:</b>	0:00 hour
<b>Category:</b>			
<b>Sprint/Milestone:</b>	3.2.0		
<b>Severity:</b>	2. Medium	<b>Groomed:</b>	No
<b>Version:</b>		<b>Sprint Candidate:</b>	No
<b>Platform Release:</b>		<b>Tags:</b>	
<b>OS:</b>		<b>Sprint:</b>	Sprint 67
<b>Triaged:</b>	Yes	<b>Quarter:</b>	

#### Description

The serializer does the correct thing, because the serializer does not use Repository.latest\_version()

```
(pulp) [vagrant@pulp3-source-fedora31 pulp_rpm]$ http :24817${TARGET_REPO}versions/
HTTP/1.1 200 OK
Allow: GET, HEAD, OPTIONS
Connection: close
Content-Length: 283
Content-Type: application/json
Date: Wed, 12 Feb 2020 18:40:06 GMT
Server: gunicorn/20.0.4
Vary: Accept, Cookie
X-Frame-Options: SAMEORIGIN

{
  "count": 1,
  "next": null,
  "previous": null,
  "results": [
    {
      "base_version": null,
      "content_summary": {
        "added": {},
        "present": {},
        "removed": {}
      },
      "number": 0,
      "pulp_created": "2020-02-11T21:52:54.154568Z",
      "pulp_href": "/pulp/api/v3/repositories/rpm/rpm/8df090fe-a51e-4d23-acc4-e140e6294e02/v
ersions/0/"
    }
  ]
}

(pulp) [vagrant@pulp3-source-fedora31 pulp_rpm]$ http :24817${TARGET_REPO}
HTTP/1.1 200 OK
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Connection: close
Content-Length: 377
Content-Type: application/json
Date: Wed, 12 Feb 2020 18:40:17 GMT
Server: gunicorn/20.0.4
Vary: Accept, Cookie
X-Frame-Options: SAMEORIGIN
```

```
{
  "description": null,
  "latest_version_href": "/pulp/api/v3/repositories/rpm/rpm/8df090fe-a51e-4d23-acc4-e140e6294e02/versions/0/",
  "name": "targetrepo",
  "pulp_created": "2020-02-11T21:52:54.152669Z",
  "pulp_href": "/pulp/api/v3/repositories/rpm/rpm/8df090fe-a51e-4d23-acc4-e140e6294e02/",
  "versions_href": "/pulp/api/v3/repositories/rpm/rpm/8df090fe-a51e-4d23-acc4-e140e6294e02/versions/"
}
```

However, underneath the hood, Pulp and plugin writers might have a problem, because if the "latest version" was deleted, `Repository.latest_version()` will return "None" instead of the one prior to the deleted one.

```
In [1]: RpmRepository.objects.all()[1].latest_version()
```

```
In [2]: RepositoryVersion.objects.filter(repository=RpmRepository.objects.all()[1])
```

```
Out[2]: <QuerySet [<Repository: targetrepo; Version: 0>]>
```

```
In [3]: RpmRepository.objects.all()[1].last_version
```

```
Out[3]: 1
```

So what the JSON API returns and what the internal APIs return do not match up.

Anything that uses the internal APIs to find the latest version, like copy (what I'm working on) or probably distributions (though I haven't tested it) will run into this issue.

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## Associated revisions

### Revision d038c1fb - 02/21/2020 04:55 PM - Fabricio Aguiar

Deleted versions update `Repository.last_version`

<https://pulp.plan.io/issues/6147> closes #6147

### Revision aa22d82a - 02/24/2020 02:06 PM - Fabricio Aguiar

Rename `last_version`

<https://pulp.plan.io/issues/6147> Required PR: <https://github.com/pulp/pulpcore/pull/555> ref #6147

### Revision f20b95f3 - 02/24/2020 04:18 PM - daviddavis

Update changelog message and make it misc since it doesn't impact users

ref #6147

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## History

### #1 - 02/12/2020 07:47 PM - dalley

- Description updated

### #2 - 02/12/2020 07:51 PM - daviddavis

+1 we need to fix this. Think it would be nice to add a unit test here too.

### #3 - 02/12/2020 09:11 PM - dalley

- Description updated

### #4 - 02/14/2020 04:32 PM - fao89

- Triaged changed from No to Yes

- Sprint set to Sprint 66

### #5 - 02/17/2020 07:26 PM - fao89

- Status changed from NEW to ASSIGNED

- Assignee set to fao89

**#6 - 02/19/2020 08:27 PM - fao89**

- Status changed from ASSIGNED to POST

<https://github.com/pulp/pulpcore/pull/555>

**#7 - 02/21/2020 03:34 PM - rchan**

- Sprint changed from Sprint 66 to Sprint 67

**#8 - 02/24/2020 02:00 PM - Anonymous**

- Status changed from POST to MODIFIED

Applied in changeset [pulpcore@d038c1fbb2d84466cfb1c6a2ad5b7733914d0fb8](#).

**#9 - 02/27/2020 06:47 PM - daviddavis**

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE

**#10 - 02/27/2020 07:16 PM - daviddavis**

- Sprint/Milestone set to 3.2.0