# Pulp - Issue #3557

## Date filters in Pulp are ambiguous and a bit of a misnomer

04/06/2018 09:48 PM - daviddavis

| | | | |
|---|---|---|---|
| **Status:** | MODIFIED | **Start date:** | |
| **Priority:** | Normal | **Due date:** | |
| **Assignee:** | dalley | **Estimated time:** | 0:00 hour |
| **Category:** | | | |
| **Sprint/Milestone:** | 3.0 | | |
| **Severity:** | 2. Medium | **Sprint Candidate:** | No |
| **Version:** | | **Tags:** | |
| **Platform Release:** | | **QA Contact:** | |
| **Blocks Release:** | | **Complexity:** | |
| **OS:** | | **Smash Test:** | |
| **Backwards Incompatible:** | No | **Verified:** | No |
| **Triaged:** | Yes | **Verification Required:** | No |
| **Groomed:** | No | **Sprint:** | Sprint 35 |

## Description

We have a few filters in Pulp for filtering tasks, repo verisons, etc and they usually have names like "started_after". If I have a task that started at say "12:00" and I filter started_after=12:00, then I get the task back because it's filtering on started_at__gte. That seems wrong to me. At the very least, we should have docs that call out that started_after includes the time specified.

edit: The amended proposal is to remove "started_after" "finished_before" etc. filtering params entirely, and to make the underlying "started_at" and "finished_at" fields filterable using normal queries such as "/tasks/?started_at__lte=..."

## Associated revisions

### Revision dda4d7d8 - 04/12/2018 09:20 PM - dalley

Fix date filtering being ambiguous

closes #3557
https://pulp.plan.io/issues/3557

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## History

**#1 - 04/06/2018 09:48 PM - daviddavis**

*- Tags Pulp 3, Pulp 3 MVP added*


**#2 - 04/10/2018 09:42 PM - dalley**

I'm glad you posted this, and I have some general frustration about it.

On the Task model serializer, we have the following fields:

```
started_at
    finished_at
{...}
```

And the Task viewset filter params are:

```
started_after
    started_before
    finished_after
    finished_before
{...}
```

If you look at a Task record, you might expect that you could perform a query such as "/tasks/?started_at__gte=..." but you cannot, because we've opted for entirely different names: "started_before", "finished_after", etc.

Likewise, on the RepositoryVersion serializer:

```
number
    created
{...}
```

But on the viewset, the filter params:

```
version_min
    version_max
    created_after
    created_before
{...}
```

Same here.

I don't like the inconsistency between the parameters we're providing to filter by and the actual names of the fields. I propose to delete "*_after" and "*_before" filters entirely, in favor of using normal conventions like e.g. "/tasks/?finished_at__lte=..."

**#3 - 04/10/2018 09:54 PM - daviddavis**

That seems straightforward and unambiguous to me. +1.


**#4 - 04/11/2018 06:49 PM - dalley**

*- Description updated*


**#5 - 04/12/2018 12:21 AM - dalley**

*- Status changed from NEW to ASSIGNED*

*- Assignee set to dalley*


**#6 - 04/12/2018 02:08 AM - dalley**

*- Triaged changed from No to Yes*


**#7 - 04/12/2018 03:27 PM - dalley**

*- Status changed from ASSIGNED to POST*

*- Sprint set to Sprint 35*


PR: https://github.com/pulp/pulp/pull/3428


**#8 - 04/12/2018 05:09 PM - bmbouter**

+1 on this resolution.


**#9 - 04/12/2018 10:25 PM - dalley**

*- Status changed from POST to MODIFIED*


Applied in changeset pulp|dda4d7d80f69f2a56788f7a7604b1b6d1b2e8135.


**#10 - 04/19/2018 05:12 PM - dkliban@redhat.com**

*- Sprint/Milestone set to 3.0*


**#11 - 04/26/2019 10:35 PM - bmbouter**

*- Tags deleted (Pulp 3, Pulp 3 MVP)*