

## Pulp - Issue #7119

### Tasks stay in waiting state if worker that had resource reservation gone

07/10/2020 10:32 AM - osapryki

<b>Status:</b> CLOSED - NOTABUG	<b>Start date:</b>
<b>Priority:</b> High	<b>Due date:</b>
<b>Assignee:</b>	<b>Estimated time:</b> 0:00 hour
<b>Category:</b>	
<b>Sprint/Milestone:</b>	
<b>Severity:</b> 3. High	<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 77
<b>Triaged:</b> Yes	<b>Quarter:</b>

**Description**

The problem appears in pulp\_ansible plugin but root cause is related to how Pulp schedules tasks.

Steps to reproduce:

1. Spawn worker with name worker-1
2. Trigger import task, that uses resource reservation.
3. Delete worker.
4. Spawn worker with name worker-2
5. Trigger another import task for the same pulp repository.

Expected behavior:

Task is assigned to worker-2

Actual behavior:

Task is trying to be assigned to worker-1, which has gone, therefore task is staying in waiting state forever.

Note 1: This behavior is critical for running pulp in containerized environment such as Kubernetes, where containers are created and destroyed periodically. Worker instances names are based on container hostname which is randomly generated and unique for each container.

Workaround: To avoid this situation worker can be run with predictable name, however it prevents pulp workers from scaling and it is not possible to run more than a single worker at a time or a limited set of workers with hardcoded names.

Note 2: It doesn't seem pulp has a mechanism to cancel jobs in waiting state by timeout.

**Related issues:**

Related to Pulp - Issue #6449: Tasks stuck in Waiting state **CLOSED - CURRENTRELEASE**

#### History

##### #1 - 07/10/2020 04:34 PM - fao89

- Priority changed from Normal to High
- Triaged changed from No to Yes
- Sprint set to Sprint 77

##### #2 - 07/13/2020 07:12 PM - osapryki

- Status changed from NEW to CLOSED - NOTABUG

Closing. Cannot reproduce.

##### #3 - 07/15/2020 04:32 AM - dalley

- Related to Issue #6449: Tasks stuck in Waiting state added