Pulp - Story #3176

As a user, reserved work is not blocked by non-reserved work

12/08/2017 09:45 PM - bmbouter

Status:	CLOSED - WONTFIX		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:			**Estimated time:**	0:00 hour
Sprint/Milestone:				
Platform Release:			**Tags:**	
Groomed:	Yes		**Sprint:**	
Sprint Candidate:	No		**Quarter:**	

Description

Problem

Say you have 4 workers and sync 10 things. 4 sync's start and 6 are still in the resource manager waiting for a worker to become free. Then the user submits a non-reserved task like orphan cleanup. This task immediately flows through the celery queue and is handed to one of the 4 workers who will work on it after handling the current sync. Then the resource manager assigns more work to free workers and one or more sync tasks could be stuck behind the orphan cleanup task.

Idea

Have all work flow through the resource_manager queue and have nothing flow through the celery queue. In fact have the workers stop consuming from the celery queue.

Design

Have tasks that current don't get a reservation, get a reservation that locks on a random uuid. This will cause the resource manager to not assign more work to a worker handling a task like an orphan cleanup.

Also get the workers to stop listening to the celery queue. There should be no ability to send work to the workers outside of the dedicated queues.

History

#1 - 12/13/2017 08:42 PM - dkliban@redhat.com

- *Groomed changed from No to Yes*

#2 - 12/15/2017 03:50 PM - daviddavis

- *Sprint/Milestone set to 52*

#3 - 01/08/2018 10:26 PM - rchan

- *Sprint/Milestone changed from 52 to 53*

#4 - 01/30/2018 03:16 PM - jortel@redhat.com

- *Sprint/Milestone changed from 53 to 54*

#5 - 03/08/2018 11:11 PM - jortel@redhat.com

- *Sprint/Milestone deleted (54)*

#6 - 04/03/2018 04:46 PM - bmbouter

- *Sprint Candidate changed from Yes to No*

This is a good idea, but for time and priority reasons relative to other beta work, I'm not nominating it for a sprint anymore.

#7 - 04/26/2019 10:37 PM - bmbouter

- *Tags deleted (Pulp 3)*

#8 - 08/31/2020 04:49 PM - daviddavis

- Status changed from NEW to CLOSED - WONTFIX