

## Pulp - Task #6773

### Document in plugin writer guide tasks are not safe to wait on other tasks

05/19/2020 09:25 PM - bmbouter

<b>Status:</b>	NEW	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>		<b>Tags:</b>	Documentation
<b>Platform Release:</b>		<b>Sprint:</b>	
<b>Groomed:</b>	No	<b>Quarter:</b>	
<b>Sprint Candidate:</b>	No		

#### Description

### Background

Pulp architecturally cannot have a task that waits on another task, otherwise on systems where only 1 pulp worker is running Pulp will deadlock. Pulp workers only work on one task at a time, so here is the deadlock example:

1. Task foo starts running
2. Task foo dispatches task bar
3. Task bar never starts because Task foo never finishes and there is only one worker
4. despair

### Solution

Document a new section named "tasks waiting on tasks" in the plugin writer's guide [Tasks section here](#). It should document this.

#### History

#1 - 05/22/2020 04:33 PM - fao89

- Tracker changed from Issue to Task

- % Done set to 0