

## Pulp - Task #5795

### Automatically cherry pick bug fixes to the latest release branch

11/25/2019 06:11 PM - daviddavis

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	daviddavis	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>	3.1.0	<b>Tags:</b>	CI/CD
<b>Platform Release:</b>		<b>Sprint:</b>	Sprint 63
<b>Groomed:</b>	Yes	<b>Quarter:</b>	
<b>Sprint Candidate:</b>	No		
<b>Description</b>			
Have Travis check for issues tagged with "Needs Cherry Pick" and create a PR with these issues against the latest release branch.			
<b>Design</b>			
When Travis runs its cron job, have it check for any merged PR labeled with "Needs Cherry Pick". It should create a PR with these changes if the cherry picks all succeed. Travis should also remove the label from PRs.			
If any of cherry picks fail, the job should fail. PRs in this case don't get updated and the release lead should create the PR manually and remove the "Needs Cherry Pick" label.			
The job should be controlled by a plugin_template variable (perhaps perform_cherry_pick?). I imagine we'll also need to have a variable to store the latest release branch name.			
The Github user credentials, which are needed to open a PR and update PR labels, should be stored/encrypted in Travis settings. I think we might be able to leverage the @pulpbot account on Github.			
<b>Related issues:</b>			
Related to Pulp - Task #5808: Have travis email us when a build fails		<b>CLOSED - WONTFIX</b>	

#### Associated revisions

##### Revision 84d63def - 12/19/2019 04:12 PM - daviddavis

Adding an automated cherry pick job

fixes #5795 <https://pulp.plan.io/issues/5795>

##### Revision 2d150c79 - 12/19/2019 07:50 PM - daviddavis

Adding automated cherry picking

ref #5795

##### Revision 79144250 - 12/20/2019 02:06 PM - daviddavis

Update cherry pick processor to handle rebases and squashes

fixes #5795

##### Revision c1b43b91 - 12/20/2019 06:14 PM - daviddavis

Updating the cherry pick script.

## History

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### #1 - 11/25/2019 06:34 PM - bmbouter

This looks great. As a cherry picking person, I could really use this because it would let me cherry pick at the PR level.

### #2 - 11/26/2019 03:14 PM - daviddavis

- Related to Task #5808: Have travis email us when a build fails added

### #3 - 11/26/2019 04:45 PM - fao89

- Tracker changed from Issue to Task

- % Done set to 0

- Sprint set to Sprint 62

### #4 - 11/26/2019 04:47 PM - ipanova@redhat.com

- Groomed changed from No to Yes

### #5 - 12/06/2019 03:43 PM - rchan

- Sprint changed from Sprint 62 to Sprint 63

### #6 - 12/12/2019 05:45 PM - daviddavis

- Status changed from NEW to ASSIGNED

- Assignee set to daviddavis

### #7 - 12/18/2019 02:31 PM - daviddavis

- Tags CI/CD added

### #8 - 12/19/2019 04:10 PM - daviddavis

- Status changed from ASSIGNED to POST

[https://github.com/pulp/plugin\\_template/pull/157](https://github.com/pulp/plugin_template/pull/157)

### #9 - 12/19/2019 06:30 PM - daviddavis

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [plugin\\_template|84d63defa6bd245a0e95e9682ee590f01b5cce40](https://github.com/pulp/plugin_template/pull/157).

### #10 - 12/19/2019 09:44 PM - daviddavis

- Status changed from MODIFIED to ASSIGNED

The cherry pick process failed:

<https://travis-ci.com/pulp/pulpcore/jobs/269037561>

The issue is that there are three ways to "merge" PRs in github. The first is by merging and the other two are rebasing and squashing. In the merge case, the SHAs in the PR match the commits in the repository. The cherry pick code uses these SHAs to cherry pick the changes from the PR.

In the other cases however, the SHAs are different because the changes have been rebased or squashed. The cherry pick code doesn't handle this possibility and will need to.

**#11 - 12/20/2019 02:04 PM - daviddavis**

- Status changed from ASSIGNED to POST

Here is the fix to handle squashes and rebases. Warning, it's ugly.

[https://github.com/pulp/plugin\\_template/pull/159](https://github.com/pulp/plugin_template/pull/159)

**#12 - 12/20/2019 04:49 PM - daviddavis**

- Status changed from POST to MODIFIED

Applied in changeset [plugin\\_template|7914425052c37b60d96696cc07e0b5748cf825c5](#).

**#13 - 01/31/2020 12:24 PM - bmbouter**

- Sprint/Milestone set to 3.1.0

**#14 - 01/31/2020 12:25 PM - bmbouter**

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE