

Pulp - Refactor #4346

Simplify the plugin api for writing stages

01/23/2019 11:07 AM - mdellweg

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:	mdellweg	% Done:	0%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:	3.0.0	Tags:	
Platform Release:		Sprint:	
Groomed:	No	Quarter:	
Sprint Candidate:	No		

Description

Problem

With the invent of content with futures, that are able to feed back in earlier stages of the pipeline, the need came up for some sort of flow control in the batching of content process to prevent deadlocks [0].

To keep full authority over any future implementation of this flow control, i suggest to refactor the stages api with a simple but strict definition, what the implementation of a stage must do / can rely on.

Solution

1. A stage must override async def run(self):.
2. In run, items can be retrieved through either self.items or self.batches iterator.
3. ..., items must be forwarded by self.put.

Further discussion can be found here [1].

[0] <https://pulp.plan.io/issues/4296>

[1] <https://github.com/pulp/pulpcore-plugin/pull/35>

Associated revisions

Revision 7d171b72 - 02/04/2019 08:41 PM - dalley

Adapt to Plugin API changes

re #4346 <https://pulp.plan.io/issues/4346>

Revision 5ed0431d - 02/04/2019 11:45 PM - dalley

Adapt to changes in the stages API

re #4346 <https://pulp.plan.io/issues/4346>

History

#1 - 01/23/2019 09:54 PM - gmbnomis

+1 to the alternative using run; one thing less that stage writers may forget (calling finish)

#2 - 01/28/2019 08:53 PM - bmbouter

+1 also to the run approach.

It looks like that is the current code pushed to this PR <https://github.com/pulp/pulpcore-plugin/pull/35/files> is that right? Does that mean <https://github.com/pulp/pulpcore-plugin/pull/35/files> is ready for review?

#3 - 01/29/2019 10:59 AM - mdellweg

Yes, that is the actual version (i just could not wait.). Ready for review.

#4 - 01/30/2019 03:49 PM - daviddavis

- Tags *Pulp 3, Pulp 3 RC Blocker* added

#5 - 02/04/2019 07:15 PM - bmbouter

- Status changed from *NEW* to *POST*

- Assignee set to *mdellweg*

PRs available here: <https://github.com/pulp/pulpcore-plugin/pull/35/> and here https://github.com/pulp/pulp_file/pull/155/

#6 - 02/22/2019 04:36 PM - bmbouter

- Description updated

- Status changed from *POST* to *MODIFIED*

All the work for this is done so I'm moving to *MODIFIED* and rewriting with its final solution

#7 - 04/25/2019 06:44 PM - daviddavis

- Sprint/Milestone set to *3.0.0*

#8 - 04/26/2019 10:32 PM - bmbouter

- Tags deleted (*Pulp 3, Pulp 3 RC Blocker*)

#9 - 12/13/2019 06:27 PM - bmbouter

- Status changed from *MODIFIED* to *CLOSED - CURRENTRELEASE*