

Pulp - Story #6671

As a pulpcore developer I can reliably determine the version of a Django plugin

05/06/2020 08:19 PM - bmbouter

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:	bmbouter	% Done:	100%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:	3.9.0	Tags:	
Platform Release:		Sprint:	
Groomed:	No	Quarter:	
Sprint Candidate:	No		

Description

Background

Currently plugins have their version accessible at the top-level of their python package. The plugin_template provides this [in this part](#) for example.

The AppConfig does not contain a version specification

The Problem

Django's discovery mechanisms are all about finding the AppConfig. See the [apps part of their docs](#).

We've arbitrarily put the **version** at the module level which does not work well with how Django thinks about apps. For example there are cases where a single Python package could provide two Django apps. Django is prepared to deal with this, Pulp is not.

Another aspect to the same problem

Another aspect of the problem is well described in [this SO post](#). The substantive summary is that "As such, you cannot generalize and use **file** or **package** and hope to always get the corresponding distribution." which is currently what Pulp tries to do when using period splitting. As is, the current StatusAPI for example would break if a python package was called one thing and its Distribution name was another, as Python packages do in-practice.

Solution

1. Add a version field to the AppConfig which would allow plugin writers to clearly specify their version directly.
2. Document this for plugin writers
3. Add a warning on startup that identifies a plugin is missing a version if it is not defined

Related issues:

Related to Pulp - Story #7624: Add pulpcore version to the plugin API

CLOSED - DUPLICATE

Associated revisions

Revision 0db2dcbb - 12/07/2020 06:17 PM - bmbouter

Adds PulpPluginAppConfig.version warnings

Starting with 3.10 plugins will be required to declare their version as the version attribute on the PulpPluginAppConfig subclass. This adds warnings starting in 3.9 encouraging plugin writers to do so.

Additionally, it sets the version on PulpAppConfig so that it doesn't complain about itself. The bumpversion spec also will bump this string at release time.

closes #6671

History

#1 - 10/23/2020 04:59 PM - bmbouter

- Related to Story #7624: Add pulpcore version to the plugin API added

#2 - 10/27/2020 02:36 PM - bmbouter

- Sprint/Milestone set to 3.9.0

#3 - 12/04/2020 04:02 PM - bmbouter

- Status changed from NEW to ASSIGNED

- Assignee set to bmbouter

#4 - 12/04/2020 09:31 PM - pulpbot

- Status changed from ASSIGNED to POST

PR: <https://github.com/pulp/pulpcore/pull/1050>

#5 - 12/04/2020 09:39 PM - pulpbot

PR: https://github.com/pulp/plugin_template/pull/310

#6 - 12/07/2020 06:18 PM - bmbouter

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [pulpcore|0db2dcb043cf6b00f93f0b661a25b1ba90fcd97](#).

#7 - 12/07/2020 08:10 PM - pulpbot

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE