

Pulp - Story #3473

As a plugin writer, I have documentation on how to create live api endpoints responsibly

03/15/2018 04:54 PM - daviddavis

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

Description

Working on the Ansible plugin, I need to define a live api that can serve up Galaxy metadata. I'm imagining for roles for example, this might live at `"/api/v3/roles/"` but I have some concerns obviously. Namely, is my url going to conflict with other plugins or pulpcore? Also what docs do I look at to know how to add these urls?

Add a new page called 'Adding Views' as a top-level section of the [Plugin Writer's Guide](#) . This documentation must:

1. Document how to define a url endpoint that Pulp core will serve
2. Document and advise plugin writers to namespace their Live API routes whenever possible to:

```
v3/plugins/<plugin_type>/something/
```

Related issues:

Related to Pulp - Story #3560: As a plugin writer, I can write views (at arbi... **CLOSED - CURRENTRELEASE**

History

#1 - 03/15/2018 04:54 PM - daviddavis

- Tags Pulp 3, Pulp 3 MVP added

#2 - 03/15/2018 04:58 PM - daviddavis

- Subject changed from *No way to create api endpoints and be sure that they don't conflict with other plugins* to *No way to create api endpoints and be sure that they don't conflict with other plugins and pulpcore*

#3 - 03/15/2018 04:59 PM - daviddavis

- Description updated

#4 - 03/16/2018 03:42 PM - dalley

- Tracker changed from *Issue* to *Story*

- % Done set to 0

#5 - 03/16/2018 03:53 PM - daviddavis

- Subject changed from *No way to create api endpoints and be sure that they don't conflict with other plugins and pulpcore* to *As a plugin writer, I have a way to create api endpoints and know they don't conflict with other plugins and pulpcore*

#6 - 03/28/2018 04:59 PM - bmbouter

Yes we need a way to have a plugin provide a view at a URL like `/mytoplevelview/` This comes from the live API MVP requirements since some content APIs have hard-coded expectations. This may make some plugins incompatible but that's because their live APIs fundamentally are. I can't give an example because the idea of colliding viewsets is still a theoretical problem.

I'm +1 on option 2. I think it would be good for core to document a recommended a convention whereby plugin views are namespaced by plugin name.

I do not think we need a way to enforce or guarantee that plugin views won't collide.

#7 - 03/28/2018 05:07 PM - amacdona@redhat.com

I think it would be nice to prevent collisions, but for the time being Option 2 seems good.

In addition to "encouraging namespacing" we could encourage a specific convention.

#8 - 03/28/2018 05:12 PM - daviddavis

@asmacdo, +1. What about for a convention we use `/api/v3/plugin/<plugin name>/.../?` So like `/api/v3/plugin/ansible/something/`.

#9 - 03/28/2018 05:19 PM - daviddavis

- Related to Story #3181: As a user, I have a roles API for published distribution base paths added

#10 - 03/28/2018 05:20 PM - daviddavis

- Related to deleted (Story #3181: As a user, I have a roles API for published distribution base paths)

#11 - 03/28/2018 05:20 PM - daviddavis

- Blocks Story #3181: As a user, I have a roles API for published distribution base paths added

#12 - 03/28/2018 05:47 PM - amacdona@redhat.com

- Description updated

#13 - 03/28/2018 06:03 PM - bmbouter

I like the story as it's written.

Which page in the docs is this going on? I couldn't find a section on "adding Live APIs". If not we should add one along w/ this ticket. Or maybe another docs piece of work is adding something like that?

Also another idea: since `/api/v3/` is kind of popular maybe the Pulp prefix should be `/pulpapi/v3/` instead?

#14 - 03/28/2018 06:45 PM - bmbouter

I moved the renaming idea to its own issue: <https://pulp.plan.io/issues/3532>

#15 - 03/28/2018 06:56 PM - daviddavis

I'm imagining that the scope of this is much larger than just Live APIs so I think it would be best to either add this to the `plugins/plugin-writer/basics.rst` under an "API routes" section or maybe add a completely new page about how to define new routes/views in plugins.

#16 - 03/28/2018 07:04 PM - bmbouter

I think a topic this important would benefit from its own page.

#17 - 03/28/2018 07:12 PM - bmbouter

- Subject changed from *As a plugin writer, I have a way to create api endpoints and know they don't conflict with other plugins and pulpcore* to *As a plugin writer, I have documentation on how to create api endpoints responsibly*

- Description updated

Rewriting to call out a bit more documentation needed with the ticket.

#18 - 03/28/2018 07:15 PM - amacdona@redhat.com

- Groomed changed from No to Yes

- Sprint Candidate changed from No to Yes

#19 - 04/03/2018 05:27 PM - daviddavis

- Subject changed from *As a plugin writer, I have documentation on how to create api endpoints responsibly* to *As a plugin writer, I have documentation on how to create live api endpoints responsibly*

- Sprint set to Sprint 35

- Tags Documentation added

#20 - 04/11/2018 03:32 PM - amacdona@redhat.com

- Related to Story #3560: As a plugin writer, I can write views (at arbitrary endpoints) which are discovered and registered with pulpcore. added

#21 - 04/11/2018 03:32 PM - amacdona@redhat.com

- Blocks deleted (Story #3181: As a user, I have a roles API for published distribution base paths)

#22 - 04/11/2018 03:33 PM - amacдона@redhat.com

- Blocks Story #3181: As a user, I have a roles API for published distribution base paths added

#23 - 04/19/2018 05:12 PM - dkliban@redhat.com

- Sprint/Milestone set to 3.0.0

#24 - 04/23/2018 04:27 PM - rchan

- Sprint changed from Sprint 35 to Sprint 36

#25 - 05/11/2018 11:01 PM - rchan

- Sprint changed from Sprint 36 to Sprint 37

#26 - 06/01/2018 11:12 PM - rchan

- Sprint changed from Sprint 37 to Sprint 38

#27 - 06/22/2018 01:33 PM - amacдона@redhat.com

- Project changed from Pulp to 27

- Sprint/Milestone deleted (3.0.0)

#28 - 06/26/2018 03:16 PM - rchan

- Sprint changed from Sprint 38 to Sprint 39

#29 - 07/06/2018 02:54 PM - amacдона@redhat.com

My current plan is not to include live-api docs in the main plugin writer walkthrough, instead to include it in a reference section, which will be be linked to at the end of the walkthrough as "next steps" or "advanced".

Please open a PR to a feature branch for plugin-writer docs:

https://github.com/asmacdo/plugin_template/tree/add-plugin-writer-docs

The change should go here:

https://github.com/asmacdo/plugin_template/blob/add-plugin-writer-docs/docs/plugin-writer/reference/live-api.rst

Note, please review whats already there. I'm not sure its correct to say that this is primarily a publishing thing.

#30 - 07/16/2018 01:11 AM - dkliban@redhat.com

- Sprint changed from Sprint 39 to Sprint 40

#31 - 08/06/2018 03:16 PM - rchan

- Sprint changed from Sprint 40 to Sprint 41

#32 - 08/27/2018 03:04 PM - rchan

- Sprint changed from Sprint 41 to Sprint 42

#33 - 09/17/2018 07:18 PM - rchan

- Sprint changed from Sprint 42 to Sprint 43

#34 - 10/05/2018 06:27 PM - bmbouter

- Blocks deleted (Story #3181: As a user, I have a roles API for published distribution base paths)

#35 - 10/18/2018 09:13 PM - amacдона@redhat.com

- Sprint changed from Sprint 43 to Sprint 44

#36 - 11/06/2018 07:38 PM - davidddavis

- Sprint changed from Sprint 44 to Sprint 45

#37 - 11/29/2018 03:31 PM - rchan

- Sprint changed from Sprint 45 to Sprint 46

#38 - 01/04/2019 10:04 PM - rchan

- Sprint changed from Sprint 46 to Sprint 47

#39 - 01/25/2019 11:38 PM - rchan

- Sprint changed from Sprint 47 to Sprint 48

#40 - 02/25/2019 11:32 AM - ipanova@redhat.com

- Sprint deleted (Sprint 48)

#41 - 03/28/2019 02:56 PM - dkliban@redhat.com

- Project changed from 27 to Pulp

- Tags deleted (Pulp 3 MVP)

This should be part of the docs in pulpcore-plugin repo.

#42 - 04/18/2019 03:31 PM - ipanova@redhat.com

- Sprint Candidate changed from Yes to No

#43 - 04/26/2019 10:36 PM - bmbouter

- Tags deleted (Pulp 3)

#44 - 08/31/2020 04:57 PM - davidddavis

- Status changed from NEW to CLOSED - WONTFIX