Pulp - Task #6057

[EPIC] Introduce custom plugin snippets for custom apache and nginx routes

01/27/2020 10:45 PM - bmbouter

Status:	CLOSED - CURRENTRELEASE	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:	bmbouter	**% Done:**	100%
Category:	Installer	**Estimated time:**	0:00 hour
Sprint/Milestone:	3.2.0		
Platform Release:		**Tags:**	
Groomed:	Yes	**Sprint:**	Sprint 67
Sprint Candidate:	Yes	**Quarter:**	

Description

Plugins like pulp_container and pulp_ansible need custom API routes. Sometimes these are for the pulp-content-app or in other cases the pulp-api.

Background

Currently Nginx that matches /pulp/api/v3 and routes that to the pulp-api. It also matches /pulp/content/ and routes that to the pulp-content-app. If neither match it first "tries one" and if that 404's it "tries the other". This is problematic for a few reasons:

- Apache doesn't support it. At the moment, Apache users are not receiving at all the same experience as Nginx

- It's not working well even for nginx. In pulp_ansible recently I had to add this snippet to my dev checkout or tests wouldn't pass. It was trying one service but then not the other.

```
location /pulp_ansible/galaxy/ {
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header X-Forwarded-Proto $scheme;
    proxy_set_header Host $http_host;
    # we don't want nginx trying to do something clever with
    # redirects, we set the Host: header above already.
    proxy_redirect off;
    proxy_pass http://127.0.0.1:24817;
}
```

Solution

Have each plugin ship a snippet that allows them to define custom routes for both nginx and apache. Then have the installer configure these snippets when configuring nginx or apache (as it already does).

We want to keep the snippets delivered through plugin code because it needs to be versioned with the plugin code. We can use these python mechansisms to ship the configs and make them discoverable by the installer:

https://importlib-resources.readthedocs.io/en/latest/using.html

https://docs.python.org/3/library/importlib.metadata.html

Subtasks:

Task # 6188: Add nginx and apache fragment	**CLOSED - CURRENTR**
Story # 6206: As an installer user, the webserver configs I have will chain-load snippets	**CLOSED - CURRENTR**
Task # 6209: Add plugin writer docs on how to ship webserver config snippets	**CLOSED - CURRENTR**
Story # 6213: As an installer user, plugin snippets will by symlinked	**CLOSED - CURRENTR**

Related issues:

Related to Pulp - Story #5657: pulp-operator should use nginx and possibly ot...	**NEW**

History

#1 - 01/27/2020 11:02 PM - bmbouter

- Description updated

#2 - 02/13/2020 04:08 PM - ipanova@redhat.com

- Description updated

- Sprint/Milestone set to 3.2.0

#3 - 02/13/2020 04:51 PM - daviddavis

- Groomed changed from No to Yes

- Sprint Candidate changed from No to Yes

#4 - 02/18/2020 09:18 PM - bmbouter

- Status changed from NEW to ASSIGNED

- Assignee set to bmbouter

- Sprint set to Sprint 66

This is causing failures in pulp_ansible so I need to fix it.

#5 - 02/20/2020 12:49 AM - mdepaulo@redhat.com

- Related to Story #5657: pulp-operator should use nginx and possibly other K8s ingresses added

#6 - 02/21/2020 03:34 PM - rchan

- Sprint changed from Sprint 66 to Sprint 67

#7 - 02/26/2020 10:47 PM - bmbouter

- Status changed from ASSIGNED to CLOSED - CURRENTRELEASE

All of the subtasks are done for this, so moving to CLOSED - CURRENT RELEASE to help w/ the release process.

#8 - 05/13/2020 10:28 PM - bmbouter

- Category set to Installer

- Tags deleted (Pulp 3 installer)