

Python Support - Story #2041

As a user, I can whitelist packages to sync with standard python syntax

06/29/2016 04:48 PM - amacdona@redhat.com

Status:	MODIFIED	Start date:	
Priority:	Normal	Due date:	
Assignee:	bizhang	% Done:	100%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:		Tags:	
Platform Release:	3.0.0	Sprint:	
Target Release - Python:		Quarter:	
Groomed:	Yes		
Sprint Candidate:	No		

Description

This story is to use the syntax from python requirements[0] files to specify which packages should be synced. This story does NOT include directly uploading a requirements.txt (though that feature could be discussed in another issue)

Note:

It doesn't make sense for Pulp to support all of the possible syntaxes in a requirements file (like specifying a local file).

Background:

At the time of writing, pulp-python only supports a whitelist of project names, but this whitelist should become more granular and flexible.

Specifiers [1][2]

It would be ideal to support multiple levels of filtering:

- project name
- version specifiers (including gt, lt, range)
- specific python distributions (specified by hash) [3]

Allowing users to specify python distributions by hashes [3] will significantly improve 2 of our use cases:

- reproducible, deterministic builds
- improved security

Related Ideas:

These ideas are related to the implementation of this story, but if they are accepted, they should be filed separately.

1. Create a whitelist from a requirements.txt
2. Create a whitelist from a Pipfile (pipenv)
3. Create a whitelist from a Pipfile.lock (pipenv)
4. Create a whitelist from a python toml file

[0]: https://pip.pypa.io/en/stable/user_guide/#requirements-files

[1]: <https://www.python.org/dev/peps/pep-0440/>

[2]: <https://www.python.org/dev/peps/pep-0508/>

[3]: https://pip-python3.readthedocs.io/en/latest/reference/pip_install.html#hash-checking-mode

Related issues:

Related to Python Support - Story #2040: As a user, I can choose which packag...

CLOSED - DUPLICATE

Associated revisions

Revision fecf6314 - 06/01/2018 08:08 PM - werwty

As a user, I can whitelist packages to sync with standard python syntax

closes #2041 <https://pulp.plan.io/issues/2041>

History

#1 - 06/29/2016 04:48 PM - amacdona@redhat.com

- Related to Story #138: As a user, I can express how many old versions of a package to keep during sync added

#2 - 06/29/2016 04:49 PM - amacdona@redhat.com

requirements.txt format is also the output of `pip freeze`, so it would be very simple to convert an environment into a repository.

#3 - 06/29/2016 04:53 PM - amacdona@redhat.com

- Subject changed from As a user, I can pass package names as requirements.txt to As a user, I can pass project names as requirements.txt

#4 - 06/29/2016 04:59 PM - semyers

- Groomed changed from No to Yes

Whoa this is a cool idea. I love it.

Does pip make it easy to get at the requirements.txt parser so we don't have to write one? :)

#5 - 06/29/2016 08:16 PM - amacdona@redhat.com

- Sprint Candidate changed from No to Yes

#6 - 08/25/2016 10:51 PM - bizhang

- Status changed from NEW to POST

- Assignee set to bizhang

#7 - 08/26/2016 02:52 PM - pcreech

- Status changed from POST to NEW

- Assignee deleted (bizhang)

#8 - 09/01/2016 02:40 PM - amacdona@redhat.com

- Sprint Candidate changed from Yes to No

#9 - 05/14/2018 11:52 PM - bizhang

- Tags Pulp 3 added

#10 - 05/15/2018 04:55 AM - amacdona@redhat.com

- Subject changed from As a user, I can pass project names as requirements.txt to As a user, I can whitelist packages to sync with standard python syntax

- Description updated

#11 - 05/15/2018 05:25 AM - amacdona@redhat.com

- Related to Story #2040: As a user, I can choose which package types to sync added

#12 - 05/15/2018 05:34 AM - bizhang

- Related to deleted (Story #138: As a user, I can express how many old versions of a package to keep during sync)

#13 - 05/19/2018 03:27 AM - bizhang

- Status changed from NEW to POST

- Assignee set to bizhang

PR: https://github.com/pulp/pulp_python/pull/173

#14 - 06/01/2018 08:14 PM - werwty

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [fecf6314947b57a8fcd2692b52b92ac720e659a](#).

#15 - 04/26/2019 10:40 PM - bmbouter

- *Tags deleted (Pulp 3)*

#16 - 01/13/2021 12:37 AM - dalley

- *Platform Release set to 3.0.0*