

## Pulp - Issue #6169

### Cannot install Pulp due to a dependency conflict on idna 2.9

02/17/2020 05:36 PM - bmbouter

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>Estimated time:</b>	0:00 hour
<b>Category:</b>		<b>Groomed:</b>	No
<b>Sprint/Milestone:</b>	3.1.1	<b>Sprint Candidate:</b>	No
<b>Severity:</b>	2. Medium	<b>Tags:</b>	
<b>Version:</b>		<b>Sprint:</b>	Sprint 66
<b>Platform Release:</b>		<b>Quarter:</b>	
<b>OS:</b>			
<b>Triaged:</b>	No		

#### Description

#### Problem

When running Vagrant up you'll see the following error:

```
pkg_resources.ContextualVersionConflict: (idna 2.9 (/usr/local/lib/pulp/lib/python3.7/site-packages), Requirement.parse('idna<2.9,>=2.5'), {'requests'})
```

#### Issue

yarl doesn't constrain the version of idna, which [released 2.9 today](#).

You can see what is bringing in idna from the pipdeptree output:

```
pipdeptree==0.13.2
- pip [required: >=6.0.0, installed: 19.1.1]
pulp-file==0.2.0.dev0
- pulpcore [required: >=3.0,<3.3, installed: 3.2.0.dev0]
  - aiofiles [required: Any, installed: 0.4.0]
  - aiohttp [required: Any, installed: 3.6.2]
    - async-timeout [required: >=3.0,<4.0, installed: 3.0.1]
    - attrs [required: >=17.3.0, installed: 19.3.0]
    - chardet [required: >=2.0,<4.0, installed: 3.0.4]
    - multidict [required: >=4.5,<5.0, installed: 4.7.4]
    - yarl [required: >=1.0,<2.0, installed: 1.4.2]
      - idna [required: >=2.0, installed: 2.9]
      - multidict [required: >=4.0, installed: 4.7.4]
  - backoff [required: Any, installed: 1.10.0]
  - coreapi [required: ~=2.3.3, installed: 2.3.3]
    - coreschema [required: Any, installed: 0.0.4]
      - Jinja2 [required: Any, installed: 2.11.1]
        - MarkupSafe [required: >=0.23, installed: 1.1.1]
    - itypes [required: Any, installed: 1.1.0]
  - requests [required: Any, installed: 2.22.0]
    - certifi [required: >=2017.4.17, installed: 2019.11.28]
    - chardet [required: >=3.0.2,<3.1.0, installed: 3.0.4]
    - idna [required: >=2.5,<2.9, installed: 2.9]
    - urllib3 [required: >=1.21.1,<1.26,!1.25.1,!1.25.0, installed: 1.25.8]
  - uritemplate [required: Any, installed: 3.0.1]
- Django [required: ~=2.2.3, installed: 2.2.10]
  - pytz [required: Any, installed: 2019.3]
  - sqlparse [required: Any, installed: 0.3.0]
- django-filter [required: ~=2.2.0, installed: 2.2.0]
  - Django [required: >=1.11, installed: 2.2.10]
  - pytz [required: Any, installed: 2019.3]
```

```

- sqlparse [required: Any, installed: 0.3.0]
- djangorestframework [required: ~=3.10.2, installed: 3.10.3]
- djangorestframework-queryfields [required: ~=1.0.0, installed: 1.0.0]
- drf-nested-routers [required: ~=0.91.0, installed: 0.91]
- Django [required: >=1.11, installed: 2.2.10]
- pytz [required: Any, installed: 2019.3]
- sqlparse [required: Any, installed: 0.3.0]
- djangorestframework [required: >=3.6.0, installed: 3.10.3]
- drf-yasg [required: ~=1.17.0, installed: 1.17.1]
- coreapi [required: >=2.3.3, installed: 2.3.3]
- coreschema [required: Any, installed: 0.0.4]
- Jinja2 [required: Any, installed: 2.11.1]
- MarkupSafe [required: >=0.23, installed: 1.1.1]
- itypes [required: Any, installed: 1.1.0]
- requests [required: Any, installed: 2.22.0]
- certifi [required: >=2017.4.17, installed: 2019.11.28]
- chardet [required: >=3.0.2, <3.1.0, installed: 3.0.4]
- idna [required: >=2.5, <2.9, installed: 2.9]
- urllib3 [required: >=1.21.1, <1.26, !=1.25.1, !=1.25.0, installed: 1.25.8]
- uritemplate [required: Any, installed: 3.0.1]
- coreschema [required: >=0.0.4, installed: 0.0.4]
- Jinja2 [required: Any, installed: 2.11.1]
- MarkupSafe [required: >=0.23, installed: 1.1.1]
- Django [required: >=1.11.7, installed: 2.2.10]
- pytz [required: Any, installed: 2019.3]
- sqlparse [required: Any, installed: 0.3.0]
- djangorestframework [required: >=3.8, installed: 3.10.3]
- inflection [required: >=0.3.1, installed: 0.3.1]
- packaging [required: Any, installed: 20.1]
- pyparsing [required: >=2.0.2, installed: 2.4.6]
- six [required: Any, installed: 1.14.0]
- ruamel.yaml [required: >=0.15.34, installed: 0.16.10]
- ruamel.yaml.clib [required: >=0.1.2, installed: 0.2.0]
- six [required: >=1.10.0, installed: 1.14.0]
- uritemplate [required: >=3.0.0, installed: 3.0.1]
- dynaconf [required: >=2.2, <2.3, installed: 2.2.2]
- click [required: <=7.0, installed: 7.0]
- python-box [required: <4.0.0, installed: 3.4.6]
- python-dotenv [required: <=0.10.3, installed: 0.10.3]
- toml [required: <=0.10.0, installed: 0.10.0]
- gunicorn [required: >=19.9, <20.1, installed: 20.0.4]
- setuptools [required: >=3.0, installed: 41.2.0]
- pycopg2 [required: >=2.7, <2.9, installed: 2.8.4]
- pygtrie [required: ~=2.3.2, installed: 2.3.2]
- python-gnupg [required: ~=0.4.0, installed: 0.4.5]
- PyYAML [required: >=5.1.1, <5.4.0, installed: 5.3]
- redis [required: >=3.4.0, installed: 3.4.1]
- rq [required: >=1.1, <1.3, installed: 1.2.2]
- click [required: >=5.0, installed: 7.0]
- redis [required: >=3.0.0, installed: 3.4.1]
- setuptools [required: >=39.2.0, installed: 41.2.0]
- whitenoise [required: >=4.1.3, <5.1.0, installed: 5.0.1]

```

## Associated revisions

### Revision 0cb28fc9 - 02/17/2020 05:44 PM - bmbouter

Pin idna==2.9 to resolve conflicting packages

The yarl and requests packages are sub-dependencies of pulpcore, and have conflicting version needs for idna. With idna==2.9 released, this prevents Pulp from installing. This temporary pin will ensure idna==2.8 is released which all versions are satisfied with.

<https://pulp.plan.io/issues/6169> closes #6169

### Revision dc82308c - 02/17/2020 09:27 PM - bmbouter

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prevents Pulp from installing. This temporary pin will ensure idna==2.8 is released which all versions are satisfied with.

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(cherry picked from commit 0cb28fc9a7434d67c313a8d234afc4c1d1a9e229)

## History

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### #1 - 02/17/2020 05:36 PM - bmbouter

- Status changed from NEW to ASSIGNED

- Sprint set to Sprint 66

Adding to sprint since it's blocking all installs

### #2 - 02/17/2020 05:40 PM - bmbouter

The solution is to pin idna in pulpcore until either yarl releases a version restricting idna<2.9 or requests raises their idna<2.9 restriction.

### #3 - 02/17/2020 05:58 PM - bmbouter

- Status changed from ASSIGNED to POST

PR available at: <https://github.com/pulp/pulpcore/pull/541>

### #4 - 02/17/2020 06:12 PM - bmbouter

- Status changed from POST to MODIFIED

Applied in changeset [pulpcore|0cb28fc9a7434d67c313a8d234afc4c1d1a9e229](#).

### #5 - 02/17/2020 09:27 PM - bmbouter

Applied in changeset [pulpcore|dc82308cfc93500b8e3686866353133575d65cd6](#).

### #6 - 02/18/2020 04:12 PM - bmbouter

- Status changed from MODIFIED to CLOSED - CURRENTRELEASE

### #7 - 02/18/2020 04:13 PM - bmbouter

- Sprint/Milestone set to 3.1.1