Arvados - Bug #14326

Our custom-compiled `python-future` and `python3-future` packages can't be installed together and have precedence

10/10/2018 08:55 PM - Javier Bértoli

<table>
<thead>
<tr>
<th>Status:</th>
<th>Resolved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Immediate</td>
</tr>
<tr>
<td>Assigned To:</td>
<td>Ward Vandewege</td>
</tr>
<tr>
<td>Category:</td>
<td>Deployment</td>
</tr>
<tr>
<td>Target version:</td>
<td>2019-02-13 Sprint</td>
</tr>
</tbody>
</table>

Description

When installing python3-certbot from stretch-backports, which depends in python3-future along with python-arvados-python-client, apt fails with

```
dpkg: error processing archive /var/cache/apt/archives/python3-future_0.16.0-2_all.deb (--unpack):
 trying to overwrite '/usr/bin/futurize', which is also in package python-future 0.16.0-2
```

The issue is that

- python-arvados-python-client depends on python-future
- python3-certbot depends on python3-future
- Our packages python-future and python3-future have precedence over the distro ones, due to apt-preferences
- Our packages have invalid content and do not differentiate between versions.

While the distro's packages have:

- python-future contents:

  ```
  ...
  ./usr/bin/python2-futurize
  ./usr/bin/python2-pasteurize
  ...
  ./usr/lib/python2.7/dist-packages/
  ...
  ```

- python3-future contents:

  ```
  ...
  ./usr/bin/python3-futurize
  ./usr/bin/python3-pasteurize
  ...
  ./usr/lib/python3/dist-packages
  ...
  ```

The Arvados' repo packages have

- python-future contents:

  ```
  ...
  ./usr/bin/futurize
  ./usr/bin/pasteurize
  ...
  ./usr/lib/python2.7/dist-packages
  ...
  ```

- python3-future contents:
Related Issues:
Related to Arvados - Story #11308: Support Python3 for arvados-python-client ... Resolved 03/21/2017
Related to Arvados - Bug #10881: [cwl] arvados-cwl-runner submitted job fails... New 01/13/2017
Related to Arvados - Story #9945: [SDK] Package Python apps as virtualenvs Resolved 09/07/2016

History
#1 - 10/10/2018 08:56 PM - Javier Bértoli
  - Description updated

#2 - 10/10/2018 08:57 PM - Nico César
  - Related to Story #11308: Support Python3 for arvados-python-client & command line utilities added

#3 - 10/10/2018 08:57 PM - Javier Bértoli
  - Description updated

#4 - 10/10/2018 09:04 PM - Javier Bértoli
  - Related to Bug #10881: [cwl] arvados-cwl-runner submitted job fails due to missing dependency futures>=3.0.5 in docker/jobs image added

#5 - 10/11/2018 12:37 PM - Javier Bértoli
  - Priority changed from Urgent to Immediate

Updated this bug's priority as it's blocking our work automating Veritas' environment.

#6 - 10/17/2018 03:50 PM - Tom Morris
  - Assigned To set to Ward Vandewege
  - Target version set to 2018-10-31 sprint

#7 - 10/31/2018 03:20 PM - Tom Morris
  - Target version changed from 2018-10-31 sprint to 2018-11-14 Sprint

#8 - 11/14/2018 04:18 PM - Tom Morris
  - Target version changed from 2018-11-14 Sprint to 2018-11-28 Sprint

#9 - 11/28/2018 04:21 PM - Ward Vandewege
  - Target version changed from 2018-11-28 Sprint to 2018-12-12 Sprint

#10 - 12/12/2018 04:35 PM - Tom Morris
  - Target version changed from 2018-12-12 Sprint to 2018-12-21 Sprint

#11 - 01/02/2019 04:21 PM - Ward Vandewege
  - Related to Story #9945: [SDK] Package Python apps as virtualenvs added

#12 - 01/02/2019 04:21 PM - Ward Vandewege
  - Target version deleted (2018-12-21 Sprint)

#13 - 02/04/2019 03:45 PM - Ward Vandewege
  - Status changed from New to Resolved
  - Target version set to 2019-02-13 Sprint
Now that #9945 has been merged, those backports are no longer needed, and this problem is moot. Closing this ticket.

#14 - 03/01/2019 07:33 PM - Tom Morris
- Release set to 15