

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

Status:	Resolved	Start date:	
Priority:	Immediate	Due date:	
Assigned To:	Ward Vandewege	% Done:	0%
Category:	Deployment	Estimated time:	0.00 hour
Target version:	2019-02-13 Sprint		

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:

```
...
./usr/bin/futurize
./usr/bin/pasteurize
...
./usr/lib/python3.5/dist-packages
...
```

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