

## Arvados - Bug #15684

### centos7 arvados-api-server package build broken

10/03/2019 07:04 PM - Peter Amstutz

<b>Status:</b>	Resolved	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Peter Amstutz	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2019-10-09 Sprint		
<b>Description</b>			
<a href="https://ci.curoverse.com/view/Build-it/job/build-packages-centos7/1796/console">https://ci.curoverse.com/view/Build-it/job/build-packages-centos7/1796/console</a>			
Findings so far.			
I think what is happening is something like this:			
<ol style="list-style-type: none"><li>1. build arvados-server v1</li><li>2. build arvados-api-server v1</li><li>3. build arvados-server v2</li><li>4. try to install arvados-api-server v1<ol style="list-style-type: none"><li>1. depends on arvados-server v1</li><li>2. fail because only arvados-server v2 package is available (also a package version conflict since we are pinned to arvados-server v1 but more recently built package would be pinned to arvados-server v2)</li></ol></li></ol>			
Proposed solution: assign version as latest(api-server, arvados-server).			
Second finding: <del>Installing arvados-api-server doesn't appear to pull in arvados-server as a dependency. Which suggests the dependency is missing on all the deb based builds.</del>			
Debian packages do have a dependency on arvados-server, but for some reason apt-get doesn't log anything about installing it.			
The actual reason that only centos7 is failing:			
There is a feature to download already-built dev packages, to avoid building them again.			
In the centos7 build, this means it fetches the already existing package, which may have been built depending on an older arvados-server package. This causes the package install test to fail when the arvados-server package is newer than the arvados-api-server package.			
However, the "download existing packages" code is presently broken for deb packages (uses the wrong URL). As a result, deb packages are always rebuilt. This means arvados-api-server gets rebuilt at the same version number, but with a dependency on the latest arvados-server package. Testing succeeds, but now we're in a situation where we are rebuilding a package with the same version number but different metadata.			

#### Associated revisions

**Revision 1c6464fc - 10/03/2019 10:01 PM - Peter Amstutz**

Merge branch '15684-package-deps' refs #15684

Arvados-DCO-1.1-Signed-off-by: Peter Amstutz <[pamstutz@veritasgenetics.com](mailto:pamstutz@veritasgenetics.com)>

#### History

**#1 - 10/03/2019 07:04 PM - Peter Amstutz**

- Status changed from New to In Progress

**#2 - 10/03/2019 07:19 PM - Peter Amstutz**

- Description updated

**#3 - 10/03/2019 08:48 PM - Peter Amstutz**

- Description updated

**#4 - 10/04/2019 02:54 PM - Peter Amstutz**

- Status changed from In Progress to Resolved

- Assigned To set to Peter Amstutz

**#5 - 01/22/2020 02:40 PM - Peter Amstutz**

- Release set to 22