

Arvados - Bug #15684

centos7 arvados-api-server package build broken

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

Status:	Resolved
Priority:	Normal
Assigned To:	Peter Amstutz
Category:	
Target version:	2019-10-09 Sprint
Description	
https://ci.curoverse.com/view/Build-it/job/build-packages-centos7/1796/console	
Findings so far.	
I think what is happening is something like this:	
<ol style="list-style-type: none">1. build arvados-server v12. build arvados-api-server v13. build arvados-server v24. try to install arvados-api-server v1<ol style="list-style-type: none">1. depends on arvados-server v12. 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)	
Proposed solution: assign version as latest(api-server, arvados-server).	
Second finding: 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.	
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>

Revision 1c6464fc1b6e3cde61b64fc07308a3934966fe74 - 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>

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*