devops - Bug #11673

Debian: ceph-test and rest-bench debug packages should require their respective binary packages

05/18/2015 04:41 PM - Ken Dreyer

Status:	Resolved		**Start date:**	05/18/2015
Priority:	Normal		**Due date:**	
Assignee:	Ken Dreyer		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:				
Source:	other		**Reviewed:**	
Tags:			**Affected Versions:**	
Backport:	hammer,firefly		**ceph-qa-suite:**	upgrade/client-upgrade
Regression:	No		**Pull request ID:**	
Severity:	1 - critical			

Description

I recently moved ceph-objectstore-tool from the "ceph-test" package to the main "ceph" package, in ticket #11376.

Soon after this was completed, our upgrade test suites began to fail when apt updated ceph-dbg. As one example:

http://pulpito.ceph.com/teuthology-2015-05-15_17:18:01-upgrade:firefly-x-hammer-distro-basic-vps/894814/

<pre>
2015-05-15T18:51:18.423 INFO:teuthology.orchestra.run.burnupi49.stderr:dpkg: error processing archive
/var/cache/apt/archives/ceph-dbg_0.94.1-111-gb69fb89-1trusty_amd64.deb (--unpack):
2015-05-15T18:51:18.423 INFO:teuthology.orchestra.run.burnupi49.stderr: trying to overwrite
'/usr/lib/debug/usr/bin/ceph-objectstore-tool', which is also in package ceph-test-dbg 0.80.9-242-g7d11b19-1trusty
2015-05-15T18:51:18.552 INFO:teuthology.orchestra.run.burnupi49.stderr:dpkg-deb: error: subprocess paste was killed by signal
(Broken pipe)
</pre>

Ordinarily this would have been addressed by the following dependency chain:

1. apt-get updates "ceph" to a newer version with objectstore-tool present.
2. With the Replaces: and Breaks:" changes in #11376, the new "ceph" .deb depends on a newer version of "ceph-test" with the objectstore-tool removed, so apt updates that as well.
3. The dbg packages depend on the newer versions of ceph and ceph-test, so apt updates them as well.

The problem is with that third step. This Teuthology test uncovered the fact that ceph-test-dbg did not have a specific dependency on ceph-test. When apt updated ceph-test, it did not know it also needed to update ceph-test-dbg as well.

The explicit dependencies between -dbg packages and main subpackages are already present for a lot of the ceph packages that we ship (like ceph itself with ceph-dbg, or ceph-mds and ceph-mds-dbg, etc), but two newer subpackages are missing the explicit dependency: ceph-test-dbg and rest-bench-dbg.

Related issues:

Copied to devops - Backport #11733: Debian: ceph-test and rest-bench debug pa...	**Resolved**	**05/18/2015**
Copied to devops - Backport #11734: Debian: ceph-test and rest-bench debug pa...	**Resolved**	**05/18/2015**

History

#1 - 05/18/2015 04:55 PM - Ken Dreyer

- Status changed from New to Need Review

PR for "next" : https://github.com/ceph/ceph/pull/4716

#2 - 05/18/2015 04:59 PM - Ken Dreyer

(I wonder if lintian would have caught this. https://lintian.debian.org/tags/dbg-package-missing-depends.html)

#3 - 05/18/2015 09:18 PM - Ken Dreyer

- Status changed from Need Review to Pending Backport

- Backport set to hammer,firefly

This bug is present in both Hammer and Firefly (although [#11376](#) was only backported to Hammer, so Teuthology is only going to catch it in Hammer.)

#4 - 05/22/2015 05:48 PM - Yuri Weinstein

Still in hammer release
Run:http://pulpito-rdu.front.sepia.ceph.com/teuthology-2015-05-19_23:20:01-upgrade:client-upgrade-master-distro-basic-typica/
Job: 21453

#5 - 05/22/2015 05:49 PM - Yuri Weinstein

- Severity changed from 3 - minor to 1 - critical

#6 - 05/22/2015 05:50 PM - Yuri Weinstein

- ceph-qa-suite upgrade/client-upgrade added

#7 - 05/26/2015 02:33 PM - Nathan Cutler

- Description updated

#8 - 05/26/2015 02:39 PM - Nathan Cutler

- Description updated

#9 - 05/26/2015 02:46 PM - Nathan Cutler

- Description updated

#10 - 06/05/2015 08:56 AM - Loic Dachary

- Status changed from Pending Backport to Resolved