Packaging - Bug #17493

deb Packages changing within the same version

11/26/2016 09:33 AM - S W

Status:	New		
Priority:	Normal		
Assignee:			
Category:	Debian/Ubuntu		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

Some packages on the deb.theforeman.org repo have been repeatingly changed but the version number stayed the same.

I noticed that because I maintain an archive of packages from this repo.

I see this happening for at least the following packages on both trusty and xenial:

foreman:
ruby-hammer-cli_0.7.0-1_all
ruby-dynflow_0.8.11-1_all
ruby-libvirt_0.6.0-2_amd64

foreman-plugins:
ruby-foreman-default-hostgroup_4.0.0-1_all
ruby-foreman-bootdisk_8.0.2-1_all
ruby-foreman-ansible_1.0-1_all
ruby-foreman-azure_1.0.1-1_all
ruby-foreman-templates_3.0.0-1_all
ruby-foreman-templates_3.1.0-1_all
ruby-foreman-xen_0.3.1-1_all
ruby-smart-proxy-salt_2.1.7-1_all
ruby-smart-proxy-chef_0.1.8-1_all
ruby-puppetdb-foreman_1.0.4-1_all
ruby-foreman-cockpit_2.0.2-1_all

Example:
First I have got ruby-foreman-azure_1.0.1-1_all.deb with md5sum 6f6b4e7e545bbb4f0c42b12b2d24175d, a few days later you provided ruby-foreman-azure_1.0.1-1_all.deb with md5sum 6878d695bc006ee74602d1f2cf518752. When I compare the content of both packages, the diff is only a diffent date in /var/lib/foreman/public/assets/foreman_azure/foreman_azure.json.

diff r ruby-foreman-azure_1.0.1-1_all/var/lib/foreman/public/assets/foreman_azure/foreman_azure.json
ruby-foreman-azure_1.0.1-1_all2/var/lib/foreman/public/assets/foreman_azure/foreman_azure.json
1c1
<
{"files":{"foreman_azure/host_os_azure_selected-a1ff57cf23030b7703472403c50dc49440ff83e1710d2fb73b1cbfff85a5d9bc.js":{"logical_path":"foreman_azure/host_os_azure_selected.js","mtime":"2016-06-07T07:29:12+00:00","size":500,"digest":"a1ff57cf23030b7703472403c50dc49440ff83e1710d2fb73b1cbfff85a5d9bc","integrity":"sha256-of9XzyMDC3cDRyQDxQ3ElED/g+FxDS+3Oxy//4Wl2bw="}},"assets":{"foreman_azure/host_os_azure_selected.js":"foreman_azure/host_os_azure_selected-a1ff57cf23030b7703472403c50dc49440ff83e1710d2fb73b1cbfff85a5d9bc.js"}}
\ No newline at end of file
—

    {"files":{"foreman_azure/host_os_azure_selected-a1ff57cf23030b7703472403c50dc49440ff83e1710d2fb73b1cbfff85a5d9bc.js":
    {"logical_path":"foreman_azure/host_os_azure_selected.js","mtime":"2016-06-03T08:39:35+00:00","size":500,"digest":"a1ff57cf
    23030b7703472403c50dc49440ff83e1710d2fb73b1cbfff85a5d9bc","integrity":"sha256-of9XzyMDC3cDRyQDxQ3ElED/g+FxDS
    +3Oxy//4Wl2bw="}},"assets":{"foreman_azure/host_os_azure_selected.js":"foreman_azure/host_os_azure_selected-a1ff57cf23
    030b7703472403c50dc49440ff83e1710d2fb73b1cbfff85a5d9bc.js"}}

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Binary files
ruby-foreman-azure_1.0.1-1_all/var/lib/foreman/public/assets/foreman_azure/host_os_azure_selected-a1ff57cf23030b7703472403c50dc49440ff83e1710d2fb73b1cbfff85a5d9bc.js.gz and
ruby-foreman-azure_1.0.1-1_all2/var/lib/foreman/public/assets/foreman_azure/host_os_azure_selected-a1ff57cf23030b7703472403c50dc49440ff83e1710d2fb73b1cbfff85a5d9bc.js.gz differ

The content of a package should not change without a change of the version.

Please ensure that you do not republish packages with different content.

History

#1 - 11/29/2016 03:18 AM - Dominic Cleal

- Status changed from New to Feedback

Are you looking at files across different components (Foreman versions)? There will be a ruby-foreman_azure-1.0.1 built for say, 1.11, 1.12 and 1.13 all separately as they may have changes.

Looking at the timestamps and MD5s provided, I think you're comparing these different files:

http://deb.theforeman.org/pool/plugins/1.11/r/ruby-foreman-azure/
http://deb.theforeman.org/pool/plugins/1.12/r/ruby-foreman-azure/
http://deb.theforeman.org/pool/plugins/1.13/r/ruby-foreman-azure/

#2 - 12/02/2016 06:44 AM - S W

I am fetching packages from "stable" (http://deb.theforeman.org/pool/plugins/stable) which may explain the issue if it changes its reference to another version quite often.

#3 - 12/02/2016 06:48 AM - Dominic Cleal

- Status changed from Feedback to New

Yes, it will change about every three months. It's perhaps best to use the named versions and clear your copies when changing versions if possible.

This will happen in a couple of cases where packages are built on version branches:

- plugins
- dependency packages

For RPMs we introduced a suffix to give plugins different version numbers, while for RPMs we tag/copy dependencies between releases rather than building per-component.

#4 - 12/07/2016 03:27 AM - S W

Using the named versions is not really an option in my use-case and using the stable branch should not break Debian package tools because your repo does not follow the rules. If a component has not been changed between versions, you should copy the existing package instead of rebuilding it with the same name but different content. As an alternative, you could tag the release in the package version.