QGIS Application - Bug report #14395
Cannot install on ubuntu xenial

2016-03-01 05:55 AM - Thomas Bonfort

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Build/Install			
Affected QGIS version:	2.14.0		**Regression?:**	No
Operating System:	ubuntu linux		**Easy fix?:**	No
Pull Request or Patch supplied:			**Resolution:**	
Crashes QGIS or corrupts data:			**Copied to github as #:**	22376

Description

Using http://qgis.org/debian/ xenial repo (but also on debian-nightly) the installation of qgis 2.14 fails with this error:

dpkg: error processing archive /var/cache/apt/archives/qgis_1%3a2.14.0+24xenial_amd64.deb (--unpack):
 trying to overwrite '/usr/bin/qgis.bin', which is the diverted version of '/usr/bin/qgis' (package: qgis-provider-grass)
dpkg-deb: error: subprocess paste was killed by signal (Broken pipe)

I can provide more info if requested, but this is a pretty barebones installation of ubuntu xenial (ubuntugis is not installed).

Related issues:

Related to QGIS Application - Bug report # 13310: nightly build packages fail...	**Closed**	**2015-09-01**
Duplicates QGIS Application - Bug report # 13900: Debian upgrade to 2.8.4	**Closed**	**2015-11-29**
Duplicates QGIS Application - Bug report # 14389: Gras plugin conflict updati...	**Closed**	**2016-02-29**

History

#1 - 2016-03-01 06:26 AM - Jürgen Fischer

- Status changed from Open to Feedback

- Operating System changed from ubuntu linus to ubuntu linux

And you don't have a stale diversion leftover from a previous installation (dpkg-divert --list | grep qgis)?   Because the current package doesn't use diversions anymore and the above diversion should come from a nightly that dates back to the period where GRASS7 support was only in the provider, but not yet in the plugin - hence the diversion was moved from the plugin to the provider, later when GRASS7 support in the plugin appeared back to the plugin and finally completely removed.

#2 - 2016-03-01 06:48 AM - Thomas Bonfort

$ dpkg-divert --list | grep qgis

diversion of /usr/bin/qbrowser to /usr/bin/qbrowser.bin by qgis-provider-grass

diversion of /usr/bin/qgis to /usr/bin/qgis.bin by qgis-provider-grass

qgis-provider-grass is 2.14.0

I had a previous install of qgis (wily version from ubuntu repos) but all of those packages were purged before trying to install the qgis.org debs.

#3 - 2016-03-01 02:58 PM - Jürgen Fischer

Thomas Bonfort wrote:

> *I had a previous install of qgis (wily version from ubuntu repos) but all of those packages were purged before trying to install the qgis.org debs.*

Unfortunately purging doesn't help (current packages don't know qgis-provider-grass could have some - as said those only (intentionally) existed for a short period anyway).

Please just remove the diversions:

    dpkg-divert --remove /usr/bin/qgis
    dpkg-divert --remove /usr/bin/qbrowser

#4 - 2016-03-01 03:33 PM - Jürgen Fischer

- Status changed from Feedback to Closed

#5 - 2016-03-01 03:34 PM - Jürgen Fischer

- Status changed from Closed to Feedback

#6 - 2016-03-06 04:33 AM - Ian Goddard

Applied the changes as above. Still fails.

    # dpkg-divert --remove /usr/bin/qgis
    Removing 'diversion of /usr/bin/qgis to /usr/bin/qgis.bin by qgis-plugin-grass'
    # dpkg-divert --remove /usr/bin/qbrowser
    Removing 'diversion of /usr/bin/qbrowser to /usr/bin/qbrowser.bin by qgis-plugin-grass'
    # apt-get install -f
    Reading package lists... Done
    Building dependency tree
    Reading state information... Done
    Correcting dependencies... Done
    The following extra packages will be installed:
      qgis-provider-grass
    The following NEW packages will be installed:
      qgis-provider-grass
    0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
    2 not fully installed or removed.
    Need to get 0 B/1,025 kB of archives.
    After this operation, 1,273 kB of additional disk space will be used.
    Do you want to continue [Y/n]?
    (Reading database ... 280364 files and directories currently installed.)
    Unpacking qgis-provider-grass (from .../qgis-provider-grass_1%3a2.8.7+12wheezy_i386.deb) ...
    Adding 'diversion of /usr/bin/qgis to /usr/bin/qgis.bin by qgis-provider-grass'
    dpkg-divert: error: rename involves overwriting `/usr/bin/qgis.bin' with
      different file `/usr/bin/qgis', not allowed
    dpkg: error processing /var/cache/apt/archives/qgis-provider-grass_1%3a2.8.7+12wheezy_i386.deb (--unpack):
      subprocess new pre-installation script returned error exit status 2
    Errors were encountered while processing:
      /var/cache/apt/archives/qgis-provider-grass_1%3a2.8.7+12wheezy_i386.deb
    E: Sub-process /usr/bin/dpkg returned an error code (1)

#7 - 2016-03-09 06:50 AM - Bas Couwenberg

In #14289 Jürgen Fischer wrote:

> *should be fixed in commit:7489af8*

The qgis.preinst only removes the diversion provided by qgis-plugin-grass, in 2.8 the diversions were provided by qgis-provider-grass and those are not removed.

This issue also affected the qgis package in Debian as reported in [Debian Bug #817176](#), there the upgrade is from 2.8.x which requires the diversion to also be removed for the qgis-provider-grass package.

For Debian I've changed qgis.preinst to remove the diversions for both qgis-plugin-grass and qgis-provider-grass with:

```
# Remove obsolete diversions
for i in /usr/bin/qgis /usr/bin/qbrowser; do
    pkg=$(dpkg-divert --listpackage $i)
    if [ -n "$pkg" -a "$pkg" = qgis-plugin-grass -o "$pkg" = qgis-provider-grass ]; then
        dpkg-divert --package $pkg --rename --remove $i
    fi
done
```

#8 - 2016-05-22 01:31 PM - Jürgen Fischer

- Status changed from Feedback to Closed

fixed in commit:e62d8fe