

The background of the slide is a close-up photograph of several wrapped gifts. In the foreground, a gift wrapped in shiny pink paper with a gold tinsel bow is in sharp focus. Behind it, other gifts in various colors like blue, green, and gold are visible but blurred, creating a sense of depth and festivity.

Più pacchetti per tutti:

Come fixare un bug in Ubuntu (e vivere felici)

Ubuntu-it meeting
Roma, 28/06/11

Andrea Colangelo
Ubuntu Developer

Perchè il
packaging?



Cosa c'è in
un pacchetto?



Il source package,
questo sconosciuto

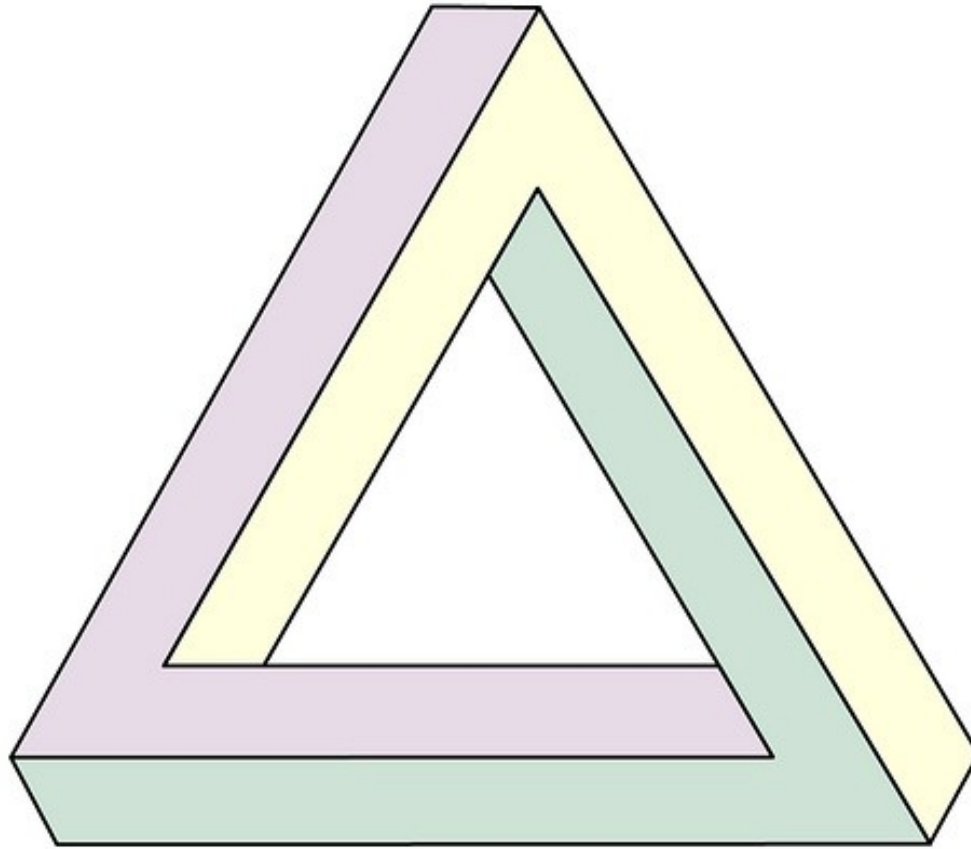


A photograph of a red brick wall with ivy growing on it. A sign is mounted on the wall, reading "SCHOOL OF PACKAGING". The sign consists of large, raised, grey letters. The word "SCHOOL" is on the top line, "OF" is on the second line, and "PACKAGING" is on the third line. The ivy is green and covers parts of the brick wall, particularly on the left and top right sides.

SCHOOL
OF

PACKAGING

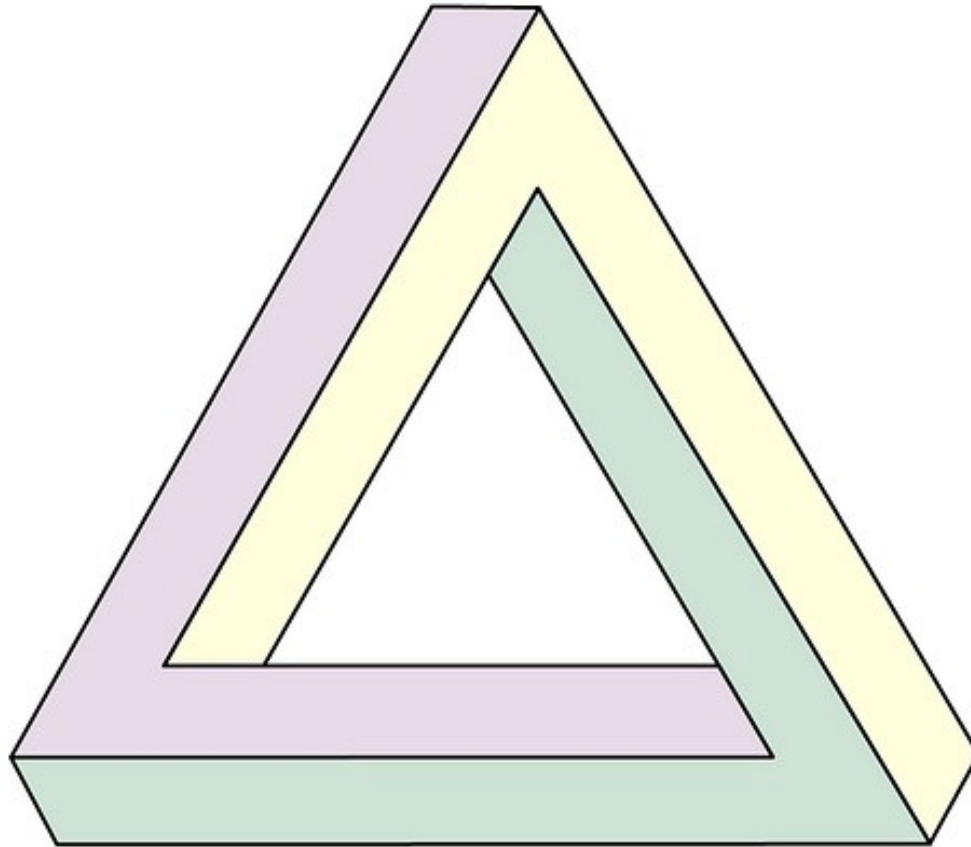
.{diff,debian}.gz



.orig.tar.gz

.dsc

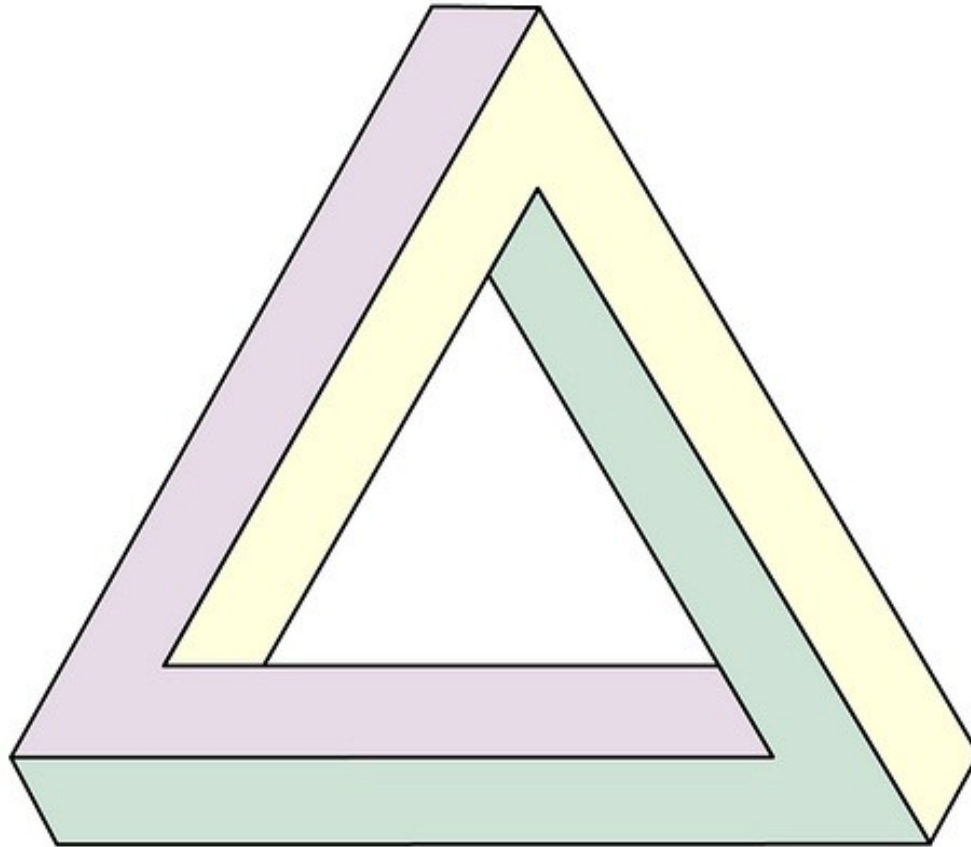
.{diff,debian}.gz



.orig.tar.gz

.dsc

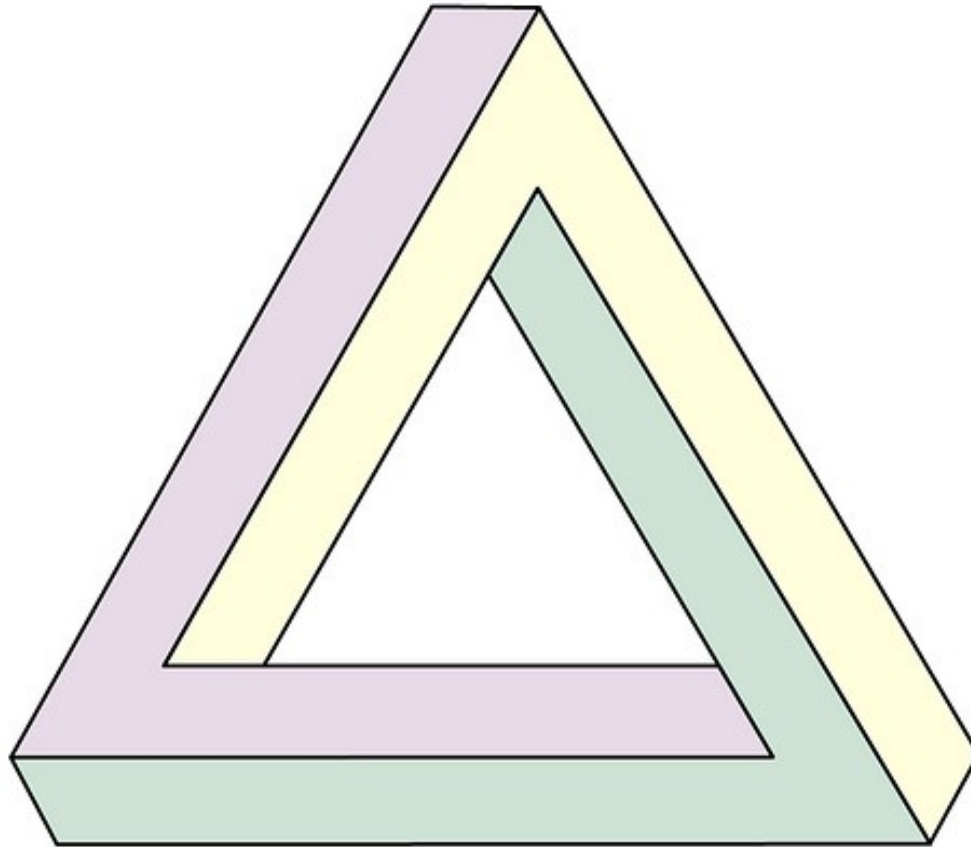
.{diff,debian}.gz



.orig.tar.gz

.dsc

.{diff,debian}.gz



.orig.tar.gz

.dsc



ATTENZIONE !
Parte noiosa in arrivo !





control x changelog x compat x copyright x rules x

```

1 Source: unity
2 Section: gnome
3 Priority: optional
4 Maintainer: Ubuntu Core Developers <ubuntu-devel-discuss@lists.ubuntu.com>
5 Build-Depends: cmake, debhelper (>= 7.0.50~), dh-translations (>= 94), pkg-config, quilt, valac (>= 0.7.8), intltool (>=
  0.35.0), libgee-dev (>= 0.5.0), libunique-dev, libbamf-dev (>= 0.2.76), gsettings-desktop-schemas-dev, libgconf2-dev,
  libglib2.0-dev (>= 2.22.2-0ubuntu1wncksync3), libdbusmenu-glib-dev (>= 0.3.91), libgnome-desktop-dev, libgtk2.0-dev (>=
  2.18.0), libpangol.0-dev, libgnomeui-dev, libdee-dev (>= 0.5.4), libindicator-dev (>= 0.3.19), libunity-misc-dev (>= 0.2.1),
  libtouch-grail-dev (>= 1.0.20), libxcb-icccm1-dev, libx-0.9-dev (>= 0.9.42), compiz-dev (>= 1:0.9.2.1
  +glibmainloop4-0ubuntu4), libcompizconfig0-dev (>= 0.9.2.1git101125), xsltproc, libboost1.42-dev, libboost-serialization1.42-
  dev, libstartup-notification0-dev, libatk1.0-dev, libtouch-geis-dev (>= 2.0.10)
6 Standards-Version: 3.9.1
7 Homepage: https://launchpad.net/unity
8 Vcs-Bzr: https://code.launchpad.net/~ubuntu-desktop/unity/ubuntu
9
10 Package: unity
11 Architecture: any
12 Depends: ${shlibs:Depends}, ${misc:Depends}, unity-common (= ${source:Version}), compiz-core, compiz-core-abiversion-
  ${coreabiversion}, compiz-plugins-main, libglib2.0-bin, python, nux-tools, unity-asset-pool (>= 0.8.18)
13 Provides: indicator-renderer, netbook-launcher
14 Conflicts: netbook-launcher (<< 1:2.1.18-0ubuntu2)
15 Replaces: netbook-launcher (<< 1:2.1.18-0ubuntu2)
16 Recommends: unity-place-applications, unity-place-files, indicator-appmenu, indicator-application, indicator-sound, indicator-
  datetime, indicator-messages, indicator-me, indicator-session, ubuntu-one-control-panel-gtk
17 Breaks: compiz-core (<< 1:0.9.2.1+glibmainloop3), bamf (<< 0.2.76),
18 Description: Interface designed for efficiency of space and interaction.
19 Unity is a desktop experience that sings. Designed by Canonical and the Ayatana
20 community, Unity is all about the combination of familiarity and the future. We
21 bring together visual design, analysis of user experience testing, modern
22 graphics technologies and a deep understanding of the free software landscape
23 to produce what we hope will be the lightest, most elegant and most delightful
24 way to use your PC.
25
26 Package: unity-common
27 Architecture: all
28 Depends: ${misc:Depends}, python, Replaces: unity (<< 3.2.2-0ubuntu3) Conflicts: unity (<< 3.2.2-0ubuntu3)
29 Description: Common files for the Unity interface.
30 Unity is a desktop experience that sings. Designed by Canonical and the Ayatana
31 community, Unity is all about the combination of familiarity and the future. We
32 bring together visual design, analysis of user experience testing, modern

```

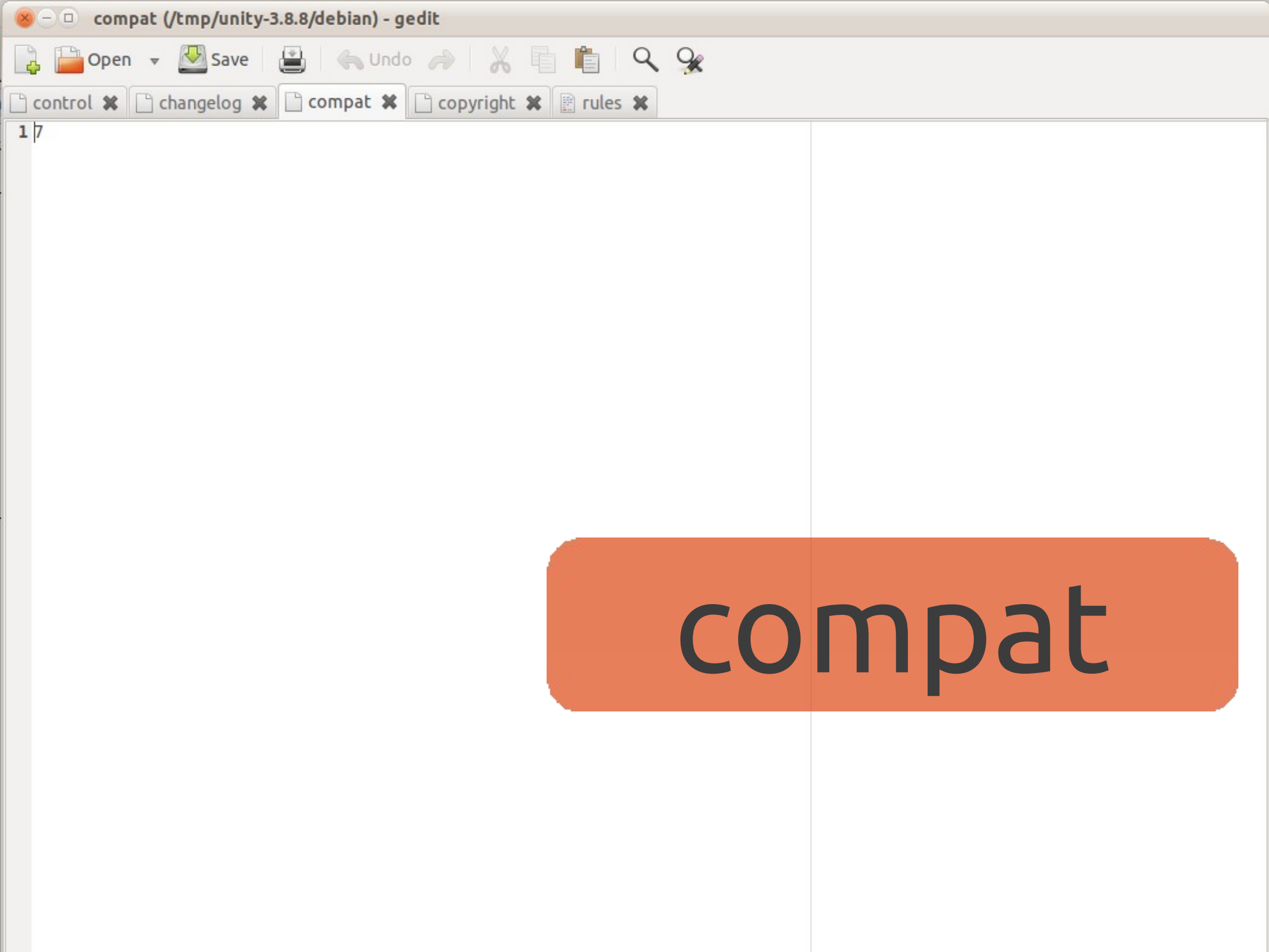
control



control x changelog x compat x copyright x rules x

```
1 unity (3.8.8-0ubuntu2) natty; urgency=low
2
3  * Cherry pick a lazy activation case not starting the places on demand
4    (LP: #761225)
5
6  -- Didier Roche <didrocks@ubuntu.com>  Fri, 15 Apr 2011 12:15:40 +0200
7
8 unity (3.8.8-0ubuntu1) natty; urgency=low
9
10 * New upstream release.
11   - Empty desktop after login (LP: #687660)
12   - compiz crashed with SIGSEGV in nux::Area::InitiateResizeLayout()
13     (LP: #757709)
14   - compiz crashed on initial load of Java Citrix Client/Inkscape in
15     PrivateWindow::processMap() (LP: #758307)
16   - Sometimes dragging down from the panel just stops working (LP: #750155)
17   - Ensure Unity prioritises icon loading from Unity-icon-theme
18     (LP: #750471)
19   - text truncated in Dash. Empty search from Applications or Files lense
20     returns "Your search did not" due to cut off label (LP: #757362)
21   - should list PlacesGroup.cpp in POTFILES.in (LP: #757663)
22   - Launcher intellhide stuck after edge reveal (LP: #757810)
23   - unity-preferences doesn't load translations (LP: #759682)
24   - dynamic quicklists are not working (LP: #729074)
25   - with second monitor, first monitor does not show nutilus
26     application/global menu when displaying desktop (LP: #743149)
27   - Launcher - The Workspace, File Lens, App Lens and Trash Launcher icons
28     need to be rendered correctly (LP: #745555)
29   - the launcher background gets dimmed after icons dnd (LP: #747304)
30   - Numpad 'Enter' does not work on unity launcher when navigating through
31     keyboard (LP: #760003)
32   - Launcher shouldn't hover when being in the dash (LP: #760770)
33   - Launcher displays key shortcuts while holding Super while the dash is
34     open but the shortcuts are unfunctional (LP: #760728)
35   - Running/active indicators point to space between launcher icons for
36     folded icons (LP: #703067)
37   - user-trash.svg and user-trash-full.svg not lens grayscale versions
38     (LP: #741804)
39   - code-cleanup: unregistered any established ubus-interests (LP: #757588)
40   - dropdown box in places search bar does not resize when font size changes
```

changelog



compat



control x changelog x compat x copyright x rules x

```
1 This package was debianized by Didier Roche <didrocks@ubuntu.com> on
2 Tue, 09 Nov 2010 13:19:35 +0200.
```

```
3
4 Upstream Authors:
```

```
5
6     Neil Jagdish Patel <neil.patel@canonical.com>
7     Gordon Allott <gord.allott@canonical.com>
8     Mirco "MacSlow" Müller <mirco.mueller@canonical.com>
9     Jay Taoko <jay.taoko@canonical.com>
10    Jason Smith <jason.smith@canonical.com>
11    Sam Spillsbury <smspillaz@gmail.com>
```

```
12
13 Copyright:
```

```
14
15     Copyright (C) 2009-2010 Canonical Ltd
```

```
16
17 License:
```

```
18
19     * (if not otherwise specified):
```

```
20
21     This program is free software: you can redistribute it and/or modify
22     it under the terms of the GNU General Public License version 3 as
23     published by the Free Software Foundation.
```

```
24
25     This program is distributed in the hope that it will be useful,
26     but WITHOUT ANY WARRANTY; without even the implied warranty of
27     MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
28     GNU General Public License for more details.
```

```
29
30 On Debian/Ubuntu systems, the full text of the GPL v3 can be found in
31 `/usr/share/common-licenses/GPL-3'
```

```
32
33 unity/*:
```

```
34
35     This library is free software; you can redistribute it and/or
36     modify it under the terms of the GNU Lesser General Public
37     License Version 3.0 as published by the Free Software Foundation.
```

```
38
39     This library is distributed in the hope that it will be useful,
40     but WITHOUT ANY WARRANTY; without even the implied warranty of
```

copyright



control x changelog x compat x copyright x rules x

```
1 #!/usr/bin/make -f
2 # -*- makefile -*-
3
4 # Uncomment this to turn on verbose mode.
5 #export DH_VERBOSE=1
6
7 DEB_VERSION := $(shell dpkg-parsechangelog | egrep '^Version:' | cut -f 2 -d ' ')
8
9 CFLAGS=$(shell echo $$CFLAGS | sed -e 's/\-Wall//')
10
11 CORE_ABIVERSION := $(shell sed -rn 's/^\#define[[:space:]]+CORE_ABIVERSION[[:space:]]+//p' /usr/include/compiz/core/core.h )
12
13 override_dh_auto_configure:
14     dh_auto_configure -- -DCOMPIZ_BUILD_WITH_RPATH=FALSE -DCOMPIZ_PACKAGING_ENABLED=TRUE -
15     DCOMPIZ_PLUGIN_INSTALL_TYPE=package
16
17 override_dh_install:
18     find debian/tmp/usr/lib -name \*.a -exec rm {} \;
19     dh_install --fail-missing
20
21 override_dh_gencontrol:
22     dh_gencontrol -- -Vcoreabiversion=$(CORE_ABIVERSION)
23     # override netbook-launcher on i386 to get an epoch
24     rm -f debian/netbook-launcher/DEBIAN/control
25     dh_gencontrol -pnetbook-launcher -- -Vcoreabiversion=$(CORE_ABIVERSION) v2: $(DEB_VERSION)
26
27 override_dh_auto_test:
28     echo "not working right now"
29
30 %:
31     dh $@ --with translations --with quilt
```

rules

A close-up photograph of two hands, likely belonging to a child, covered in a thick layer of white flour. The hands are resting on a surface of dough, which is also dusted with flour. The background is blurred, showing more of the dough and the person's arms.

E ora diamoci da fare!



Scegliere il
bug giusto



System freezes using Unity on IBM Thinkpad Z60m

Ubuntu » "unity" package » Bugs » **Bug #743861**

Reported by Cristian Mammoli on 2011-03-27

This bug affects 4 people. Does this bug affect you?



Affects	Status	Importance	Assigned to	Milestone
unity	Incomplete	Critical	Unassigned	
linux (Ubuntu)	New	Undecided	Unassigned	Target to milestone
unity (Ubuntu)	Incomplete	Critical	Unassigned	Target to milestone

Also affects project Also affects distribution Nominate for series

Bug Description

Binary package hint: unity

Description: Ubuntu Natty (development branch)

Release: 11.04

Unity:

Installed: 3.6.8-0ubuntu3

Candidate: 3.6.8-0ubuntu3

Version table:

*** 3.6.8-0ubuntu3 0

500 http://archive.ubuntu.com/ubuntu/ natty/main i386 Packages

100 /var/lib/dpkg/status

After a random time (30 minutes - 1 hour) the system hard freezes:
 can't move mouse, can't switch to tty, can't send magic sysrq, can't ping the
 computer from network

This only happens when using unity, with a "ubuntu classic" session with
 compiz everything runs fine for many hours

ProblemType: Bug

DistroRelease: Ubuntu 11.04

Package: unity 3.6.8-0ubuntu3

ProcVersionSignature: Ubuntu 2.6.38-7.38-generic 2.6.38

This report is public

- Mark as duplicate
- Convert to a question
- Link a related branch
- Link to CVE

- Subscribe
- Subscribe someone else

Subscribers

- Cristian Mammoli
- Samantha April Davis

Also notified

- Adriano Pangione
- Akshay
- Alejandro J. Alvarez S.
- Alin Andrei
- Andy Horng
- Ashani Holland
- Bilal Akhtar
- Bishwendu Kundu
- Bruno Garcia
- CRC
- Carles
- Charlie_Smotherman (porthose)
- Chen Li
- Christian Rüger
- Cold
- Conrad J. Sabatier
- Constantinos Koniaris
- David Callé
- Dawning
- Debian PTS

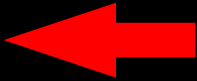
```
warp10@starfleet:~$ mkdir unity
```

```
warp10@starfleet:~$ cd unity
```

```
warp10@starfleet:~/unity$ apt-get source unity
```

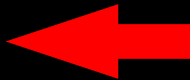
```
warp10@starfleet:~$ mkdir unity
warp10@starfleet:~$ cd unity
warp10@starfleet:~/unity$ apt-get source unity
Reading package lists... Done
Building dependency tree
Reading state information... Done
NOTICE: 'unity' packaging is maintained in the 'Bzr' version control system at:
https://code.launchpad.net/~ubuntu-desktop/unity/ubuntu
Please use:
bzip2 http://code.launchpad.net/~ubuntu-desktop/unity/ubuntu
to retrieve the latest (possibly unreleased) updates to the package.
Need to get 550 kB of source archives.
Get:1 http://archive.ubuntu.com/ubuntu/ natty/main unity 3.8.8-0ubuntu2 (dsc) [1,883 B]
Get:2 http://archive.ubuntu.com/ubuntu/ natty/main unity 3.8.8-0ubuntu2 (tar) [517 kB]
Get:3 http://archive.ubuntu.com/ubuntu/ natty/main unity 3.8.8-0ubuntu2 (diff) [30.8 kB]
Fetched 550 kB in 2s (210 kB/s)
gpgv: Signature made Fri 15 Apr 2011 12:18:46 PM CEST using DSA key ID E4AC208E
gpgv: Can't check signature: public key not found
dpkg-source: warning: failed to verify signature on ./unity_3.8.8-0ubuntu2.dsc
dpkg-source: info: extracting unity in unity-3.8.8
dpkg-source: info: unpacking unity_3.8.8.orig.tar.gz
dpkg-source: info: applying unity_3.8.8-0ubuntu2.diff.gz
dpkg-source: info: upstream files that have been modified:
unity-3.8.8/src/PlacesView.cpp
warp10@starfleet:~/unity$
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warp10@starfleet:~/unity$
```



```
warp10@starfleet:~/unity$ ls
```

```
unity-3.8.8  unity_3.8.8-0ubuntu2.diff.gz  unity_3.8.8-0ubuntu2.dsc  unity_3.8.8.orig.tar.gz
```

```
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```

```
warp10@starfleet:~/unity$ ls
```

```
unity-3.8.8  unity_3.8.8-0ubuntu2.diff.gz  unity_3.8.8-0ubuntu2.dsc  unity_3.8.8.orig.tar.gz
```

```
warp10@starfleet:~/unity$ cd unity-3.8.8/
```

```
warp10@starfleet:~/unity/unity-3.8.8$ ls
```

AUTHORS	COPYING	po	tools
ChangeLog	COPYING.LGPL	README	unity-private
cmake	debian	resources	unityshell.xml.in
CMakeLists.txt	doc	services	utouch
com.canonical.Unity.gschema.xml	INSTALL	src	vapi
config.h.cmake	plugin-unityshell.png	tests	

```
warp10@starfleet:~/unity/unity-3.8.8$
```

```
warp10@starfleet:~/unity$ ls
```

```
unity-3.8.8  unity_3.8.8-0ubuntu2.diff.gz  unity_3.8.8-0ubuntu2.dsc  unity_3.8.8.orig.tar.gz
```

```
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```

```
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```

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com.canonical.Unity.gschema.xml	INSTALL	src	vapi
config.h.cmake	plugin-unityshell.png	tests	

```
warp10@starfleet:~/unity/unity-3.8.8$ ls debian
```

changelog	control	netbook-launcher.preinst	source_unity.py	unity.install	watch
compat	copyright	rules	unity-common.install	unity.preinst	

```
warp10@starfleet:~/unity/unity-3.8.8$
```

E ora che si fa?



Here comes the fun!



unity (3.8.8-0ubuntu3) natty; urgency=low

- * Just a fake fix to astonish people at Ubuntu-it Meeting in Rome (LP: [#743861](#))
- * So long, and thanks for all the fish!

-- Andrea Colangelo <warp10@ubuntu.com> Wed, 25 May 2011 00:08:34 +0200

unity (3.8.8-0ubuntu2) natty; urgency=low

- * Cherry pick a lazy activation case not starting the places on demand (LP: [#761225](#))

-- Didier Roche <didrocks@ubuntu.com> Fri, 15 Apr 2011 12:15:40 +0200

unity (3.8.8-0ubuntu1) natty; urgency=low

- * New upstream release.
 - Empty desktop after login (LP: [#687660](#))
 - compiz crashed with SIGSEGV in nux::Area::InitiateResizeLayout() (LP: [#757709](#))
 - compiz crashed on initial load of Java Citrix Client/Inkscape in PrivateWindow::processMap() (LP: [#758307](#))
 - Sometimes dragging down from the panel just stops working (LP: [#750155](#))
 - Ensure Unity prioritises icon loading from Unity-icon-theme (LP: [#750471](#))
 - text truncated in Dash. Empty search from Applications or Files lense returns "Your search did not" due to cut off label (LP: [#757362](#))
 - should list PlacesGroup.cpp in POTFILES.in (LP: [#757663](#))
 - Launcher intellhide stuck after edge reveal (LP: [#757810](#))
 - unity-preferences doesn't load translations (LP: [#759682](#))
 - dynamic quicklists are not working (LP: [#729074](#))

unity (3.8.8-0ubuntu3) natty; urgency=low

- * Just a fake fix to annoy people at Ubuntu-it Meeting in Rome (LP: #743861)
- * So long, and thanks for all the fish!

-- Andrea Colangelo <warp10@ubuntu.com> Wed, 25 May 2011 00:08:34 +0200

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- * New upstream release.
 - Empty desktop after login (LP: [#687660](#))
 - compiz crashed with SIGSEGV in nux::Area::InitiateResizeLayout() (LP: [#757709](#))
 - compiz crashed on initial load of Java Citrix Client/Inkscape in PrivateWindow::processMap() (LP: [#758307](#))
 - Sometimes dragging down from the panel just stops working (LP: [#750155](#))
 - Ensure Unity prioritises icon loading from Unity-icon-theme (LP: [#750471](#))
 - text truncated in Dash. Empty search from Applications or Files lense returns "Your search did not" due to cut off label (LP: [#757362](#))
 - should list PlacesGroup.cpp in POTFILES.in (LP: [#757663](#))
 - Launcher intellhide stuck after edge reveal (LP: [#757810](#))
 - unity-preferences doesn't load translations (LP: [#759682](#))
 - dynamic quicklists are not working (LP: [#729074](#))

warp10@starfleet: ~/unity/unity-3.8.8

warp10@starfleet: ~/unity/unity-3.8.8 93x32

warp10@starfleet:~/unity/unity-3.8.8\$ debuild -S

dpkg-source: info: use the '3.0 (quilt)' format to have separate and documented changes to upstream files, see dpkg-source(1)

dpkg-source: info: building unity in unity_3.8.8-0ubuntu3.dsc

dpkg-genchanges -S >../unity_3.8.8-0ubuntu3_source.changes

dpkg-genchanges: not including original source code in upload

dpkg-source --after-build unity-3.8.8

dpkg-buildpackage: source only, diff-only upload (original source NOT included)

Now running lintian...

W: unity source: quilt-build-dep-but-no-series-file

W: unity source: patch-system-but-no-source-readme

W: unity source: patch-system-but-direct-changes-in-diff src/PlacesView.cpp

E: unity source: missing-build-dependency quilt (>= 0.46-7~)

Finished running lintian.

Now signing changes and any dsc files...

signfile unity_3.8.8-0ubuntu3.dsc Andrea Colangelo <warp10@ubuntu.com>

You need a passphrase to unlock the secret key for

user: "Andrea Colangelo <warp10@ubuntu.com>"

2048-bit RSA key, ID CE5C8446, created 2011-04-19

gpg: gpg-agent is not available in this session

signfile unity_3.8.8-0ubuntu3_source.changes Andrea Colangelo <warp10@ubuntu.com>

You need a passphrase to unlock the secret key for

user: "Andrea Colangelo <warp10@ubuntu.com>"

2048-bit RSA key, ID CE5C8446, created 2011-04-19

Enter passphrase: gpg: gpg-agent is not available in this session

Successfully signed dsc and changes files

warp10@starfleet:~/unity/unity-3.8.8\$

```
dpkg-source --after-build unity-3.8.8
dpkg-buildpackage: source only, diff-only upload (original source NOT included)
Now running lintian...
W: unity source: quilt-build-dep-but-no-series-file
W: unity source: patch-system-but-no-source-readme
W: unity source: patch-system-but-direct-changes-in-diff src/PlacesView.cpp
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Now signing changes and any dsc files...
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You need a passphrase to unlock the secret key for
user: "Andrea Colangelo <warp10@ubuntu.com>"
2048-bit RSA key, ID CE5C8446, created 2011-04-19

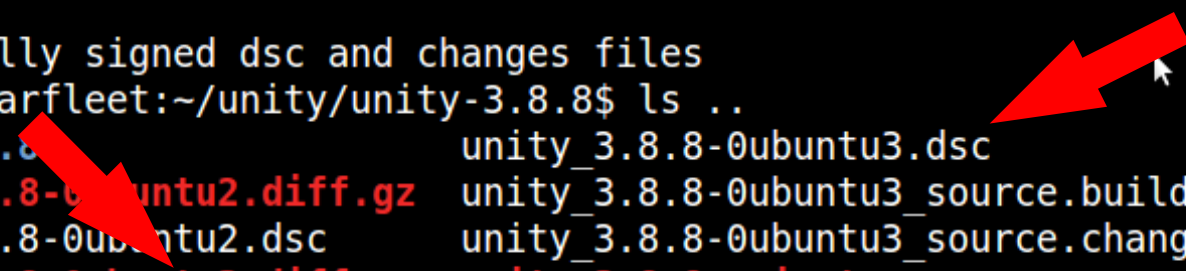
gpg: gpg-agent is not available in this session

signfile unity_3.8.8-0ubuntu3_source.changes Andrea Colangelo <warp10@ubuntu.com>

You need a passphrase to unlock the secret key for
user: "Andrea Colangelo <warp10@ubuntu.com>"
2048-bit RSA key, ID CE5C8446, created 2011-04-19

gpg: gpg-agent is not available in this session

Successfully signed dsc and changes files
warp10@starfleet:~/unity/unity-3.8.8$ ls ..
unity-3.8.8-0ubuntu2.dsc      unity_3.8.8-0ubuntu3.dsc
unity_3.8.8-0ubuntu2.diff.gz  unity_3.8.8-0ubuntu3_source.build
unity_3.8.8-0ubuntu2.dsc     unity_3.8.8-0ubuntu3_source.changes
unity_3.8.8-0ubuntu3.diff.gz  unity_3.8.8.orig.tar.gz
warp10@starfleet:~/unity/unity-3.8.8$
```



```
warp10@starfleet:~/unity/unity-3.8.8$ debuild -B
```

warp10@starfleet:~/unity/unity-3.8.8\$ cd ..

warp10@starfleet:~/unity\$ ls

unity-3.8.8

unity_3.8.8-0ubuntu2.diff.gz

unity_3.8.8-0ubuntu2.dsc

unity_3.8.8-0ubuntu3_amd64.build

unity_3.8.8-0ubuntu3_amd64.changes

unity_3.8.8-0ubuntu3_amd64.deb

warp10@starfleet:~/unity\$

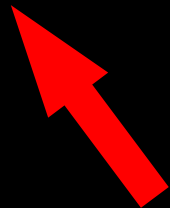
unity_3.8.8-0ubuntu3.diff.gz

unity_3.8.8-0ubuntu3.dsc

unity_3.8.8-0ubuntu3_source.build

unity_3.8.8-0ubuntu3_source.changes

unity_3.8.8.orig.tar.gz



```
warp10@starfleet:~/unity/unity-3.8.8$ cd ..
```

```
warp10@starfleet:~/unity$ ls
```

```
unity-3.8.8                                unity_3.8.8-0ubuntu3.diff.gz
unity_3.8.8-0ubuntu2.diff.gz              unity_3.8.8-0ubuntu3.dsc
unity_3.8.8-0ubuntu2.dsc                  unity_3.8.8-0ubuntu3_source.build
unity_3.8.8-0ubuntu3_amd64.build           unity_3.8.8-0ubuntu3_source.changes
unity_3.8.8-0ubuntu3_amd64.changes        unity_3.8.8.orig.tar.gz
unity_3.8.8-0ubuntu3_amd64.deb
```

```
warp10@starfleet:~/unity$ dput ubuntu unity_3.8.8-0ubuntu3_source.changes
```

MISSION
ACCOMPLISHED



wiki.ubuntu.com/UbuntuDevelopment

wiki.ubuntu.com/PackagingGuide

debian.org/doc/debian-policy

[#ubuntu-it-dev@freenode](https://freenode.net)

I WANT YOU!

Andrea Colangelo
warp10@ubuntu.com

<http://andreacolangelo.com>