

Alpine Linux - Bug #7446

tff-dejavu broken?

06/16/2017 03:58 PM - anta -

Status: Closed	Start date: 06/16/2017
Priority: Normal	Due date:
Assignee:	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version: 3.6.3	Security IDs:
Affected versions:	
Description	
After upgrading a few packages, font on firefox looks much worse. Possible packages that caused it: Upgrading font-alias (1.0.1-r1 -> 1.0.3-r0) Upgrading mkfontscale (1.0.7-r2 -> 1.1.2-r0) Upgrading mkfontdir (1.0.5-r1 -> 1.0.7-r0) Upgrading ttf-dejavu (2.35-r0 -> 2.37-r0) I think it maybe has to do with this - https://bugs.archlinux.org/task/32312 But could also be something else...	

Associated revisions

Revision 9d75d6a8 - 06/21/2017 06:42 AM - Francesco Colista

main/font-alias: modernize APKBUILD, fixes #7446

History

#1 - 06/18/2017 03:38 AM - anta -

Here's the comparison.

Alpine 3.6 - 2a94nd0.jpg

Alpine edge - 13z7ept.jpg

#2 - 06/18/2017 03:39 AM - anta -

I figured this has nothing to do with ttf-dejavu.
Even with dejavu uninstalled and using other fonts this issue remains.

Here are the most likely commits that caused this problem.

<https://git.alpinelinux.org/cgiit/aports/commit/?id=5c9c87da94bc8d71f77e53686827b3935ac9ae50>
<https://git.alpinelinux.org/cgiit/aports/commit/?id=4bda58b168222edded7a3af3ddb4c518f7b7f680>
<https://git.alpinelinux.org/cgiit/aports/commit/?id=d3d3710a57b6ed34432d1d5ff1e91c05269cba0c>
<https://git.alpinelinux.org/cgiit/aports/commit/?id=b8c00623c95b1004050432f513267f6a8d3d8302>
<https://git.alpinelinux.org/cgiit/aports/commit/?id=7dd54fc6db43475a113fb640df3d6d624c21cc3d>
<https://git.alpinelinux.org/cgiit/aports/commit/?id=ee60bd2016602ab269e91c4b4b1f31d8ad529e40>
<https://git.alpinelinux.org/cgiit/aports/commit/?id=adda002486cccf508b6c000870e21617bd54eab>

Can anyone reproduce?

#3 - 06/18/2017 03:24 PM - anta –

I did more investigation and discovered the packages that are problematic.

Interaction of freetype AND font-alias.

If you're on edge and downgrade freetype OR font-alias, you solve the issue.

In the same way, if you are on 3.6.2 and upgrade freetype AND font-alias to edge, you get this font issue.

#4 - 06/18/2017 03:43 PM - anta –

I think I found the issue!

Clandmeter added the patches but didn't bump pkgrel so freetype didn't get rebuilt.

<https://git.alpinelinux.org/cgi/aports/commit/main/freetype?id=4bda58b168222edded7a3af3ddb4c518f7b7f680>

Someone please bump pkgrel!

#5 - 06/18/2017 04:04 PM - anta –

Another possible issue!

http://build.alpinelinux.org/buildlogs/build-edge-x86_64/main/font-alias/font-alias-1.0.3-r0.log

configure: WARNING: unrecognized options: --with-font-rootdir

That was changed by ncopa on latest font-alias update.

<https://git.alpinelinux.org/cgi/aports/commit/main/font-alias?id=adda002486cccf508b6c000870e21617bd54eab>

The correct option is **--with-fontrootdir**.

#6 - 06/18/2017 04:49 PM - anta –

Full solution

Fix font-alias option. --with-fontrootdir is the correct one.
Add util-macros to font-alias makedepends.

This fixes the problem!

#7 - 06/21/2017 06:42 AM - Anonymous

- Status changed from New to Resolved

- % Done changed from 0 to 100

Applied in changeset [9d75d6a8c38ee9e443c96a4ad9c56df6ed81aa0b](https://git.alpinelinux.org/cgi/aports/commit/main/font-alias?id=9d75d6a8c38ee9e443c96a4ad9c56df6ed81aa0b).

#8 - 06/21/2017 09:55 PM - anta –

Crap, this didn't solve the issue :(
I'm lost now.

Can someone reproduce?

Access <https://twitter.com/alpinelinux> on 3.6.2

Access <https://twitter.com/alpinelinux> on edge

On edge the font is so much worse...

But on many sites it's better, twitter and a few others look awful like that.

#9 - 07/12/2017 06:45 PM - anta –

I found the problem.

fc-list gives different results in 3.6 and edge!

The font names changed but Alpine didn't update to that.

That's because freetype 2.7.1 had a PCF change to show more 'colourful' family names and that behavior was disabled on freetype 2.8

How do we fix this?

#10 - 07/12/2017 07:00 PM - anta –

In freetype 2.7.1 it was **Adobe Utopia** but in freetype 2.8 it is **Utopia**
In freetype 2.7.1 it was **Adobe Courier** but in freetype 2.8 it is **Courier**
In freetype 2.7.1 it was **Adobe Helvetica** but in freetype 2.8 it is **Helvetica**
In freetype 2.7.1 it was **Misc Fixed** but in freetype 2.8 it is **Fixed**
In freetype 2.7.1 it was **xos4 Terminus** but in freetype 2.8 it is **Terminus**

And many more.

PCF_CONFIG_OPTION_LONG_FAMILY_NAMES was enabled for the first time on freetype 2.7.1.
But they later thought it was too radical and disabled on 2.8.

Alpine must enable PCF_CONFIG_OPTION_LONG_FAMILY_NAMES at compile time or fix the current system to recognize short font names.

#11 - 07/12/2017 07:25 PM - Carlo Landmeter

can you check if <https://git.alpinelinux.org/cgi/aports/commit/?id=979d076e> works?

#12 - 07/12/2017 07:33 PM - anta -

Upgrading to freetype 2.8-1 (with 0004-Enable-long-PCF-family-names.patch) didn't work.
fc-list keeps showing short names.

But then I did **apk fix font-alias** and now it's fixed!

I don't know if it's because of font-alias itself or because font-alias triggered some stuff...
(1/1) Reinstalling font-alias (1.0.3-r1)
Executing fontconfig-2.12.4-r0.trigger
Executing mkfontscale-1.1.2-r0.trigger
Executing mkfontdir-1.0.7-r0.trigger

This should be automated so when people upgrade they get it fixed.

Thanks for the fast commit.

#13 - 09/11/2018 06:58 PM - Natanael Copa

- Status changed from *Resolved* to *Closed*