

Packages - Freedom Issue #972

TeXLive freedom verification

2016-03-24 08:49 AM - Anonymous

Status:	forwarded upstream	% Done:	47%
Priority:	freedom issue		
Assignee:			
Category:			

Description

This page describes possible incompatibilities of TeXLive packages included in Parabola GNU/Linux-libre with the [Free System Distribution Guidelines](#).

Everything below is based on files included in the source archives listed in the PKGBUILDs.

The word "package" refers here to a single TeXLive package, many of which are in Arch packages like texlive-core.

This list assumes that the source archives are the real source of the package and that they include all information needed to determine if a package is free. Both these assumptions are incorrect, so more packages will be listed as nonfree.

A package being listed in any group other than "No problems" doesn't mean that it doesn't have other problems – any of these problems requires removing the package or replacing it with a different source, possibly with other problems.

The task

1. Check for each source package if it's free.
2. Remove/replace nonfree packages.
3. Remove/replace packages depending on them.
4. Package the rest with appropriate sources.

Packages checked

=== texlive-core-2010.22154-1 ===

==== Problems ====

===== Generated files without source =====

Parabola source package doesn't contain sources for files generated e.g. by stripping comments from dtx files using docstrip. It's [not considered acceptable in other free software projects](#). "All packages checked have these sources on CTAN, it's just a problem of Arch/Parabola packaging."

- 12many
- amsmath
- amstex
- avantgar
- babelbib
- babel
- bidi
- binomexp
- booktabs
- basisio
- caption
- ccfnts
- colortbl
- concmath
- crop
- cslatex
- ctable
- dvipdfmx-def
- emp
- eqnarray
- eso-pic
- euenc

- euler
- euro
Requires distributing with source.
- expl3
- expressg
- extpfeil
- extsizes
- faktor
- fancyref
- fancyvrb
- feynmf
- fix2col
- fixlatvian
- float
- fontinst
- fontspec
- frontespizio
- geometry
- german
- gmp
- graphics
- hyperref
- ifluatex
- index
- ionumbers
- itnumpar
- kastrup
- latex
- layaureo
- listings-ext
- listings
- lithuanian
- luacode
- luainputenc
- luamplib
- luaotfload
- lualasseq
- luatexbase
- luatextra
- mathcomp
- mattens
- mdwtools
- memoir
- metalogo

===== No license =====

Or unnamed license not included in the package.

- anysize
- automata
- bibleref-german
- bibtex8
- cmextra
- cm-super
- commath
- concrete
- context-gnuplot
- context
- csbulletin
- csplain
- cweb
- dviincl
- dvips
- encTex
- etex
- euro-ce

- eurofont
- eurosym
- extarrows
- featpost
- fontwrap
- fp
- frenchle
- garrigues
- genmisc
- harvardkyoto
- jknapltx
Various incorrect names of GNU GPL version 2.
- jmn
- kalender
Not English.
- latexconfig
- lmextra
- lualibs
- mafr
- makeindex
- marvosym
- mathspec
- metaobj

==== Missing files =====

[LPPL](#) requires including descriptions of changes and a reference to unmodified source if distributing package modified by e.g. removing some files. The easier way for us to avoid this problem would be to include the whole source.

- ec
Also includes files based on pl fonts which are currently probably nonfree.
- lm

==== Not all files have license =====

- arabxetex
- bbcard
One is public domain, one no license, two free.
- cmap
- fonttools
- germbib
- glyphlist
- gustlib

==== Possibly nonfree =====

- charter
In bchb8a.afm:

```
Comment Copyright 1987-1990 as an unpublished work by Bitstream Inc., Cambridge, MA.
Comment All rights reserved
Comment Confidential and proprietary to Bitstream Inc.
Comment Bitstream is a registered trademark of Bitstream Inc.
```

- fontname
Mostly lists of nonfree font names.

==== TFMs for nonfree fonts, nonfree AFMs =====

- bookman
- courier
- helvetic
- metapost

==== MeX license =====

Affected packages:

- cc-pl
- CS
Includes files based on pl, also has files without licenses or just with copyright notices.
- ec
- mex

The following is stated in TeX macro packages there:

```
% This macro file belongs to the public domain
% under the conditions specified by the author of TeX:
%
% ``Macro files like PLAIN.TEX should not be changed in any way,
% except with respect to preloaded fonts,
% unless the changes are authorized by the authors of the macros.''
```

Donald E. Knuth

```
% For details see MEXINFO.ENG or MEXINFO.POL.
```

It's clearly nonfree and different that what Knuth states in plain.tex:

```
% Unlimited copying and redistribution of this file are permitted as long
% as this file is not modified. Modifications are permitted, but only if
% the resulting file is not named plain.tex.
```

MEXINFO.ENG and MEXING.POL files are not included. CTAN has it in <http://mirrors.ctan.org/language/polish/mex105.zip>. This is the relevant fragment of MEXINFO.ENG:

Rules
=====

The MeX package belongs to the public domain.

The MeX package may only be distributed in unchanged and complete form including the files MEXINFO.ENG and MEXINFO.POL. All the files constituting the MeX package are listed in the chapters ``Files'' and ``PL Fonts'' below.

Anyone who distributes the MeX package must obey one of the following rules:

1. there is no charge for distribution
- or 2. the payment for the distribution of one diskette is not greater than the price of this diskette; in this case the distributor must make clear that this is a handling fee, not a license fee or purchase fee.

This package is distributed with no warranty of any sort. The authors accept no responsibility for the consequences of using this software.

Each user must comply with all conditions specified by D. E. Knuth regarding the use of TeX, METAFONT and related software.

(Not quoting the file lists, since we already don't include MEXINFO.ENG.)

[Karl Berry](#) wrote that he will talk to the authors about this license.

===== Will be free in next version =====

- https://fedoraproject.org/wiki/Talk:Features/TeXLiveLegalAudit#context-account_-_GPLv3.2B
 - context-account
 - context-algorithmic
 - context-fixme
 - context-games

- context-letter
- context-ruby

===== Public domain =====

In some jurisdictions works cannot be put into the public domain by authors, so checking if these packages were made there or if they include a free license is needed.

- context-lettrine
- context (only some files)
- epsf
- epsincl
- frletter
- hatching
- latexmp
- ltxmisc
- metapost

===== BSD-style license, not included =====

- context-filter
- context-mathsets
- context-vim

===== Missing uncommon free license text =====

Packages not including GPL, LGPL or LPPL are not listed here.

- de-macro
Academic Free License 2.1, [free](#).

===== No problems =====

At least most of these don't include the license if it's GPL or LPPL. License compatibility wasn't checked. File renaming on modification requirement is not checked.

Some of these packages include hyphenation patterns or fonts without source, these files [can be understood and modified, on their own](#), so they are free.

- accfonts
- aeguill
- ae
- amscls
- amsfonts
- beamer
- bib-fr
- bibleref-french
- bibtex
- blockdraw_mp
- boldtensors
- bpolynomial
- bundledoc
- carlisle
- cite
- cm
- context-bnf
- context-chromato
- context-construction-plan
- context-degrade
- context-french
- context-fullpage
- context-lilypond
- context-simplefonts
- context-simpleslides
- context-typearea
- context-typescripts
- dehyph-exptl

- drv
- dviasm
- dvipsconfig
- epstopdf
- etex-pkg
- eurosans
- exteps
- fancybox
- fancyhdr
- findhyph
- fpl
- fragmaster
- germkorr
- hyphenex
- hyph-utf8
- iftex
- ifxetex
- installfont
- isomath
- koma-script
- latex2man
- latexdiff
- latex-fonts
- latexmk
- lua-alt-getopt
- mathpazo
- metafont
- metago
- metaplot
- metauml

==== To check ====

mflogo.tar.xz
mfnfss.tar.xz
mfpic4ode.tar.xz
mfpic.tar.xz
mfware.tar.xz
mhequ.tar.xz
mh.tar.xz
microtype.tar.xz
misc.tar.xz
mkjobtexmf.tar.xz
mp3d.tar.xz
mpattern.tar.xz
mpgraphics.tar.xz
mptopdf.tar.xz
ms.tar.xz
multido.tar.xz
multiobjective.tar.xz
mwcls.tar.xz
natbib.tar.xz
nath.tar.xz
ncntrsbk.tar.xz
ntgclass.tar.xz
oberdiek.tar.xz
ordinalpt.tar.xz
ot-tableau.tar.xz
oubraces.tar.xz
palatino.tar.xz
parskip.tar.xz
path.tar.xz
pdfcrop.tar.xz
pdfjam.tar.xz
pdfpages.tar.xz
pdftex-def.tar.xz
pgf.tar.xz

philokalia.tar.xz
piechartmp.tar.xz
pkfix-helper.tar.xz
pkfix.tar.xz
plain.tar.xz
pl.tar.xz
polski.tar.xz
polyglossia.tar.xz
powerdot.tar.xz
proba.tar.xz
psfrag.tar.xz
pslatex.tar.xz
psnfss.tar.xz
pspicture.tar.xz
purifyeps.tar.xz
pxfonts.tar.xz
qpxqtx.tar.xz
rcs.tar.xz
realscripts.tar.xz
rec-thy.tar.xz
roex.tar.xz
rotating.tar.xz
rsfs.tar.xz
ruhyphen.tar.xz
r_und_s.tar.xz
sansmath.tar.xz
section.tar.xz
seminar.tar.xz
sepnum.tar.xz
setspace.tar.xz
shuffle.tar.xz
slideshow.tar.xz
spanish-mx.tar.xz
splines.tar.xz
statex2.tar.xz
statex.tar.xz
stmaryrd.tar.xz
sty2dtx.tar.xz
suanpan.tar.xz
subfig.tar.xz
subsupscripts.tar.xz
susy.tar.xz
syllogism.tar.xz
symbol.tar.xz
synproof.tar.xz
tablor.tar.xz
tabvar.tar.xz
tap.tar.xz
tdsfrmath.tar.xz
tensor.tar.xz
texcount.tar.xz
texdef.tar.xz
texdiff.tar.xz
texdirflatten.tar.xz
tex-ewd.tar.xz
tex-gyre.tar.xz
texinfo.tar.xz
texloganalyser.tar.xz
tex-ps.tar.xz
textcase.tar.xz
textpath.tar.xz
thmbox.tar.xz
threeddice.tar.xz
thumbpdf.tar.xz
times.tar.xz
tipa.tar.xz
tools.tar.xz

tffutils.tar.xz
turnstile.tar.xz
txfonts.tar.xz
typehtml.tar.xz
ukrhyph.tar.xz
ulem.tar.xz
umlaute.tar.xz
underscore.tar.xz
unicode-math.tar.xz
unisugar.tar.xz
url.tar.xz
utf8mex.tar.xz
utopia.tar.xz
variations.tar.xz
venn.tar.xz
wasysym.tar.xz
wasy.tar.xz
xcolor.tar.xz
xecjk.tar.xz
xecolour.tar.xz
xecyr.tar.xz
xeindex.tar.xz
xepersian.tar.xz
xearch.tar.xz
xetexconfig.tar.xz
xetex-def.tar.xz
xetexfontinfo.tar.xz
xetex-itrans.tar.xz
xetex-pstricks.tar.xz
xetex.tar.xz
xkeyval.tar.xz
xltxtra.tar.xz
xpackages.tar.xz
xunicode.tar.xz
yhmath.tar.xz
ytableau.tar.xz
zapfchan.tar.xz
zapfding.tar.xz

Packages to check

- texlive-bibtexextra
- texlive-bin
- texlive-core
- texlive-fontsextra
- texlive-formatsextra
- texlive-games
- texlive-genericextra
- texlive-htmlxml
- texlive-humanities
- texlive-langcjk
- texlive-langcyrillic
- texlive-langextra
- texlive-langgreek
- texlive-latexextra
- texlive-music
- texlive-pictures
- texlive-plainextra
- texlive-pstricks
- texlive-publishers
- texlive-science

Resources to check

<https://fedoraproject.org/wiki/Talk:Features/TeXLiveLegalAudit>

Subtasks:

Bug # 490: [texlive-core] ec fonts are nonfree	not-a-bug
Freedom Issue # 969: [texlive-core] ec fonts needs repackaging instead of removing	duplicate
Bug # 2151: [texlive-formatsextra] missing files	info needed
Freedom Issue # 2695: Re-evaluate texlive-bin	in progress
Freedom Issue # 2698: Re-evaluate [texlive-core]	in progress
Freedom Issue # 2699: Re-evaluate [texlive-latexextra]	confirmed
Freedom Issue # 2700: Re-evaluate [texlive-fontsextra]	confirmed
Bug # 2769: [texlive-core]: missing /usr/bin/mktexlsr	fixed
Bug # 2905: dollar sign \\$ doesn't work in parabola texlive	fixed
Bug # 2937: texlive can't find some fonts during installation	duplicate
Bug # 3164: [texlive-most]: error: command failed to execute correctly	info needed
Bug # 3617: [texlive-core] PANIC: unprotected error in call to Lua API"	confirmed

Related issues:	
Has duplicate Packages - Bug #3620: [texlive-fontsextra] Error occurs during ...	duplicate
Has duplicate Packages - Bug #3619: [texlive-bin] Error occurs during install...	duplicate
Has duplicate Packages - Bug #3618: [texlive-latexextra] Error occurs during ...	duplicate

History

#1 - 2016-03-24 08:51 AM - Anonymous

- Related to Freedom Issue #969: [texlive-core] ec fonts needs repackaging instead of removing added

#2 - 2016-03-24 08:59 AM - Anonymous

coadde opened a report about it to [Arch](#)

#3 - 2018-03-19 05:56 PM - soni

Is this an issue still? I don't want to have nonfree software on my system without realising

#4 - 2019-02-27 09:58 PM - bill-auger

- Status changed from open to forwarded upstream

it does not seem to be making much progress upstream

#5 - 2019-07-26 10:27 PM - bill-auger

i just bumped the upstream BR

#6 - 2020-04-14 05:39 PM - theova

I tried to update the texlive-* packages to the 2020 version. It takes me a long time to evaluate which changes were done in Parabola and why. Once I figured this out, modifying the PKGBUILD for the new version was straight forward.

From <https://www.tug.org/texlive/copying.html>:

As a general statement, the TeX Live maintainers agree, within the shared purpose of working on TeX Live, with the general principles and philosophy of the free software movement.

Therefore, to the best of our knowledge, all the software in TeX Live meets the requirements of the Free Software Foundation's definition of free software, and the Debian Free Software Guidelines. In the rare cases of conflict, > we generally follow the FSF. Furthermore, the material in TeX Live should not require nonfree software to be useful.

So texlive is committed to freedom :-)

I try to re-evaluate texlive-* and document my findings the coming days. I will start new issues for the different packages and link them to this issue. I will report findings about non-free parts in the texlive mailing list to let other users/distributions from it.

Then it is hopefully easier to update the PKGBUILDS in the future.

Help, thoughts and questions are welcome!

#7 - 2020-07-10 06:27 AM - bill-auger

- Related to deleted (Freedom Issue #969: [texlive-core] ec fonts needs repackaging instead of removing)

#8 - 2021-04-28 05:33 PM - bill-auger

- Related to Bug #2151: [texlive-formatsextra] missing files added

#9 - 2021-04-28 05:34 PM - bill-auger

- Related to Bug #2905: dollar sign \\$ doesn't work in parabola texlive added

#10 - 2021-04-28 05:34 PM - bill-auger

- Related to Bug #2937: texlive can't find some fonts during installation added

#11 - 2021-04-28 05:35 PM - bill-auger

- Related to deleted (Bug #2151: [texlive-formatsextra] missing files)

#12 - 2021-04-28 05:36 PM - bill-auger

- Related to deleted (Bug #2905: dollar sign \\$ doesn't work in parabola texlive)

#13 - 2021-04-28 05:36 PM - bill-auger

- Related to deleted (Bug #2937: texlive can't find some fonts during installation)

#14 - 2022-03-11 02:54 AM - gap

What is the current status of the freedom verification?

I consider TeXLive extremely important and useful, and I'm sure we all don't want nonfree files hiding within it.

Due to the age of this issue, I suspect the audits done will be outdated now.

Is TeXLive overdue another freedom audit?

#15 - 2023-05-30 09:25 PM - bill-auger

there was some movement in arch this week - im not so familiar with this issue; so dunno how many or if any freedom issues it solved though

related:

<https://bugs.archlinux.org/task/48683>

https://wiki.parabola.nu/TeXLive_freedom_verification

#16 - 2023-05-31 01:17 PM - nona

They closed it by:

Closed by Antonio Rojas (arojas)

Monday, 29 May 2023, 13:02 GMT

Reason for closing: None

Additional comments about closing: We no longer use custom tarballs and get the source directly from tug svn

comparing that to the title

generated files without source, not all files have license, missing files, etc

to me, it translates to: whatever is wrong, it's no longer in the packaging.

Also related: <https://labs.parabola.nu/issues/2698>

#17 - 2023-06-18 10:16 AM - bill-auger

a subtle twist: according with upstream re-organization of the code-base,

the new `texlive-basic` replaces the old `texlive-core`, many of the texlive-core contents (including language specific files) are now split between different packages.

<https://archlinux.org/news/tex-live-package-reorganization/>

#18 - 2024-03-29 08:01 AM - bill-auger

- Has duplicate Bug #3620: [texlive-fontsextra] Error occurs during installation added

#19 - 2024-03-29 08:01 AM - bill-auger

- Has duplicate Bug #3619: [texlive-bin] Error occurs during installation added

#20 - 2024-03-29 08:01 AM - bill-auger

- Has duplicate Bug #3618: [texlive-latexextra] Error occurs during installation added

#21 - 2024-03-29 08:02 AM - bill-auger

- Has duplicate Bug #3617: [texlive-core] PANIC: unprotected error in call to Lua API" added

#22 - 2024-03-29 10:23 AM - nona

Following from <https://labs.parabola.nu/issues/3617>, texdoc failed for me with a similar error. (It is not completely harmless.) I was able to open the pdf provided by the package, but I will test with something else tonight.

#23 - 2024-03-29 11:36 PM - bill-auger

- Has duplicate deleted (Bug #3617: [texlive-core] PANIC: unprotected error in call to Lua API")