

NAME

updmap – manage TeX font maps, per-user
updmap-sys – manage TeX font maps, system-wide

SYNOPSIS

updmap [*OPTION*] ... [*COMMAND*]
updmap-sys [*OPTION*] ... [*COMMAND*]

DESCRIPTION

updmap (TeX Live) version \$Id: updmap.pl 23034 2011-06-17 23:44:39Z karl \$

Update the default font map files used by pdfTeX, dvips, and dvipdfm(x), as determined by the configuration file updmap.cfg (the one returned by running "kpsewhich updmap.cfg").

Among other things, these map files are used to determine which fonts should be used as bitmaps and which as outlines, and to determine which fonts are included in the output.

By default, the TeX filename database (ls-R) is also updated.

OPTIONS

--cnffile FILE
 read FILE for the updmap configuration

--dvipsoutputdir DIR
 specify output directory (dvips syntax)

--pdftexoutputdir DIR
 specify output directory (pdfTeX syntax)

--outputdir DIR
 specify output directory (for all files)

--copy
 cp generic files rather than using symlinks

--force
 recreate files even if config hasn't changed

--nomkmap
 do not recreate map files

--nohash
 do not run texhash

-n, --dry-run
 only show the configuration, no output

--quiet, --silent
 reduce verbosity

Commands:

--help show this message and exit

--version
 show version information and exit

--showoptions ITEM
 show alternatives for options

- setoption** OPTION VALUE
 set option, where OPTION is one of: LW35, dvipsPreferOutline, dvipsDownloadBase35, or pdftexDownloadBase14
- setoption** OPTION=VALUE
 as above, just different syntax
- enable** MAPTYPE MAPFILE
 add "MAPTYPE MAPFILE" to updmap.cfg, where MAPTYPE is either Map or MixedMap
- enable** Map=MAPFILE
 add "Map MAPFILE" to updmap.cfg
- enable** MixedMap=MAPFILE add "MixedMap MAPFILE" to updmap.cfg
- disable** MAPFILE
 disable MAPFILE, whether Map or MixedMap
- listmaps**
 list all active and inactive maps
- listavailablemaps**
 same as **---listmaps**, but without unavailable map files
- syncwithtrees**
 disable unavailable map files in updmap.cfg

Explanation of the map types: the (only) difference between Map and MixedMap is that MixedMap entries are not added to psfonts_pk.map. The purpose is to help users with printers that render Type 1 outline fonts worse than mode-tuned Type 1 bitmap fonts. So, MixedMap is used for fonts that are available as both Type 1 and Metafont.

Explanation of the **---setoption** possibilities:

dvipsPreferOutline

 true|false (default true)

 Whether dvips uses bitmaps or outlines, when both are available.

dvipsDownloadBase35

 true|false (default false)

 Whether dvips includes the standard 35 PostScript fonts in its output.

pdftexDownloadBase14

 true|false (default true)

 Whether pdftex includes the standard 14 PDF fonts in its output.

LW35 URWkb|URW|ADOBEmb|ADOBE (default URWkb)

Adapt the font and file names of the standard 35 PostScript fonts. URWkb URW fonts with "berry" filenames (e.g. uhvbo8ac.pfb) URW URW fonts with "vendor" filenames (e.g. n019064l.pfb) ADOBEb Adobe fonts with "berry" filenames (e.g. phvbo8an.pfb) ADOBE Adobe fonts with "vendor" filenames (e.g. hvnbo____.pfb)

These options are only read and acted on by updmap; dvips, pdftex, etc., do not know anything about them. They work by changing the default map file which the programs read, so they can be overridden by specifying command-line options or configuration

files to the programs, as explained at the beginning of `updmap.cfg`.

ENVIRONMENT

Explanation of trees and files normally used:

`updmap` both reads and writes `TEXMFCONFIG/web2c/updmap.cfg`, according to the actions specified.

`updmap` writes the map files for `dvips` (`psfonts.map`) and `pdftex` (`pdftex.map`) to the `TEXMFVAR/fonts/map/updmap/{dvips,pdftex}/` directories.

The log file is written to `TEXMFVAR/web2c/updmap.log`.

When `updmap-sys` is run, `TEXMFSYSCONFIG` and `TEXMFSYSVAR` are used instead. This is the only difference between `updmap-sys` and `updmap`.

Other locations can be used if overridden on the command line, or these trees don't exist, or you are not using the original TeX Live.

To see the precise locations of the various files that will be read and written, give the `-n` option (or read the man page).

EXAMPLES

For step-by-step instructions on making new fonts known to TeX, read <http://tug.org/fonts/fontinstall.html>. For even more terse instructions, read the beginning of `updmap.cfg`.

FILES

Configuration and input files:

updmap.cfg

Main configuration file. In *texmf/web2c* by default, but may be located elsewhere depending on your distribution.

dvips35.map

Map file for standard 35 PostScript fonts for use with **dvips**(1).

pdftex35.map

Map file for standard 35 PostScript fonts for use with **pdftex**(1).

ps2pk35.map

Map file for standard 35 PostScript fonts for use with **ps2pk**(1).

Output files:

psfonts.map

For **dvips**(1). Same as *psfonts_t1.map* if option **dvipsPreferOutline** active, else as *psfonts_pk.map*.

psfonts_pk.map

For **dvips**(1). Without information from MixedMap files. (Setting of **dvipsPreferOutline** ignored.)

psfonts_t1.map

For **dvips**(1). With information from MixedMap files. (Setting of **dvipsPreferOutline** ignored.)

download35.map

For **dvips**(1). Always downloads the standard 35 fonts. (Setting of **dvipsDownloadBase35** ignored.)

builtin35.map

For **dvips**(1). Never downloads the standard 35 fonts. (Setting of **dvipsDownloadBase35** ignored.)

pdftex.map

For **pdftex**(1). Same as *pdftex_dl14.map* if option **pdftexDownloadBase14** active, else as *pdftex_ndl14.map*.

pdftex_dl14.map

For **pdftex**(1). Always downloads the standard 14 fonts.

pdftex_ndl14.map

For **pdftex**(1). Never downloads the standard 14 fonts.

ps2pk.map

Similar to *psfonts.map* file, but forces all fonts to be downloaded, so this map file can be used with **xdvi**(1) and **ps2pk**(1).

Configuration files for **dvips**(1):

config.builtin35

Loads *builtin35.map* instead of *psfonts.map*.

config.download35

Loads *download35.map* instead of *psfonts.map*.

config.outline

Loads *psfonts_t1.map* instead of *psfonts.map*.

config.pdf

Loads *psfonts_t1.map* instead of *psfonts.map* and has additional optimizations for PDF generation.

config.pk

Loads *psfonts_pk.map* instead of *psfonts.map*.

config.www

Loads *psfonts_t1.map* instead of *psfonts.map*. (For compatibility with old versions.)

config.gstopk

Loads *psfonts_t1.map* instead of *psfonts.map*.

REPORTING BUGS

Report bugs to: tex-k@tug.org

TeX Live home page: <http://tug.org/texlive/>