

## NAME

**updmap** – Update font map files for TeX output drivers.

**updmap-sys** – Update font map files for TeX output drivers system-wide.

## SYNOPSIS

**updmap** [ *OPTION* ... ] [ *COMMAND* ... ]

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

## DESCRIPTION

**updmap** is a utility that creates font configuration files for **dvips**(1), **pdftex**(1), **xdvi**(1), **ps2pk**(1), **gsftopk**(1), **dvipdfm**(1) and (soon) **dvipdfmx**(1). In an ideal world, updmap would be unnecessary -- each of these programs would read the same configuration file to learn what fonts are available and how they should be treated. As things stand, however, each of these tools has subtly different requirements and thereby needs its own font configuration file. **updmap** creates font configuration files for all of these programs from a single source, allowing you to easily keep all the different configuration files in sync.

**updmap** reads a configuration file, **updmap.cfg**(5) and, depending on the options specified in that file and on the command line, **updmap** will write generated map files to a directory of your choosing (via one of the **--\*outputdir** options), or automatically determine where to place the files. In the latter case, it tries to use the tree where the variable `TEXMFVAR` points to. When used with the options **--edit**, **--setoption**, **--enable**, **--disable**, or **--syncwithtrees**, **updmap** will first write **updmap.cfg**(5) and regenerate the map files only if this file has been changed.

## OPTIONS

The following command-line options are available:

**--cnffile** *file*

Specify a configuration *file*.

**--dvipsoutputdir** *directory*

Specify the output *directory* for map files generated with dvips syntax.

**--pdftexoutputdir** *directory*

Specify the output *directory* for map files generated with pdftex syntax.

**--dvipdfmoutputdir** *directory*

Specify the output *directory* for map files generated with dvipdfm syntax.

**--outputdir** *directory*

Specify the output *directory* for all generated map files.

**--nohash**

Do not run **texhash**(1).

**--nomkmap**

Do not recreate existing map files.

**--quiet** Reduce verbosity.

The following commands can be substituted for *COMMAND*:

**--edit** Edit the *updmap.cfg* file.

**--help** Show a command and option summary.

- showoptions** *item*  
Show alternatives for option *item*.
- setoption** *option value*  
Set *option* to *value*, where *option* is one of:  
  - dvipsPreferOutline**
  - LW35**
  - dvipsDownloadBase35**
  - pdftexDownloadBase14**
  - dvipdfmDownloadBase14**
- enable** *maptype mapfile*  
Add or enable a **Map** or **MixedMap** for *mapfile*.
- enable Map=***mapfile*  
Add or enable a Map for *mapfile*.
- enable MixedMap=***mapfile*  
Add or enable a MixedMap for *mapfile*.
- disable** *mapfile*  
Disable Map or MixedMap for *mapfile*.
- syncwithtrees**  
Disable entries in the config file that refer to map files which are unavailable.
- listmaps**  
List all active and inactive maps.
- listavailablemaps**  
List all active and inactive maps, but restrict output to map files that are available in one of the texmf trees.

## 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)**.

*dvipdfm35.map*

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

*ps2pk35.map*

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

Output files:

*psfonts.map*

For **dvips**(1). Soft link against *psfonts\_t1.map* if option **dvipsPreferOutline** active, else against *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). Soft link against *pdftex\_dl14.map* if option **pdftexDownloadBase14** active, else against *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.

*dvipdfm.map*

For **dvipdfm**(1). Soft link against *dvipdfm\_dl14.map* if option **dvipdfmDownloadBase14** active, else against *dvipdfm\_ndl14.map*.

*dvipdfm\_dl14.map*

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

*dvipdfm\_ndl14.map*

For **dvipdfm**(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).

teTeX configuration files for **dvips**(1) tuned for use with **updmap**:

*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 previous versions of teTeX.)

*config.gstopk*

Loads *psfonts\_t1.map* instead of *psfonts.map*.

## SEE ALSO

**updmap.cfg(5)**, **dvipdfm(1)**, **dvips(1)**, **gsftopk(1)**, **pdftex(1)**, **ps2pk(1)**, **texhash(1)**, **xdvi(1)**.

Web page: <<http://tug.org/teTeX/>>

## BUGS

None known, but report any bugs found to <[tetex@dbs.uni-hannover.de](mailto:tetex@dbs.uni-hannover.de)> (mailing list).

## AUTHOR

**updmap** was written by Thomas Esser <[te@dbs.uni-hannover.de](mailto:te@dbs.uni-hannover.de)> and is in the public domain.

This manual page was written by C.M. Connelly <[cmc@debian.org](mailto:cmc@debian.org)>, for the Debian GNU/Linux system and later slightly adapted for teTeX 3.