

NAME

luaotfload-tool – generate and query the Luaotfload font names database

SYNOPSIS

luaotfload-tool [-bDcfFiIpquvVwh]

luaotfload-tool --update [--force] [--quiet] [--verbose] [--prefer-texmf] [--dry-run]

luaotfload-tool --find=FONTNAME [--fuzzy] [--info] [--inspect]

luaotfload-tool --flush-lookups

luaotfload-tool --cache=DIRECTIVE

luaotfload-tool --list=CRITERION[:VALUE] [--fields=F1,F2,...,Fn]

luaotfload-tool --help

luaotfload-tool --version

luaotfload-tool --show-blacklist

luaotfload-tool --diagnose=CHECK

DESCRIPTION

luaotfload-tool accesses the font names database that is required by the *Luaotfload* package. There are two general modes: **update** and **query**.

- **update**: update the database or rebuild it entirely;
- **query**: resolve a font name or display close matches.

Note that if the script is named **mkluatexfontdb** it will behave like earlier versions (<=1.3) and always update the database first. Also, the verbosity level will be set to 2.

OPTIONS**update mode**

--update, -u

Update the database; indexes new fonts.

--force, -f

Force rebuilding of the database; re-indexes all fonts.

--prefer-texmf, -p

Organize the file name database in a way so that it prefer fonts in the *TEXMF* tree over system fonts if they are installed in both.

--dry-run, -D

Don't load fonts, scan directories only. (For debugging file system related issues.)

query mode

--find=NAME

Resolve a font name; this looks up <name> in the database and prints the file name it is mapped to.

--fuzzy, -F

Show approximate matches to the file name if the lookup was unsuccessful (requires **--find**).

--info, -i

Display basic information to a resolved font file (requires **--find**).

--inspect, -I

Display detailed information by loading the font and analyzing the font table; very slow! For the meaning of the returned fields see the LuaTeX documentation. (requires **--find**).

--warnings, -w

Print the warnings generated by the fontloader library (assumes **-I**). Automatically enabled if the verbosity level exceeds 2.

--show-blacklist, -b

Show blacklisted files (not directories).

--list=CRITERION

Show entries, where *CRITERION* is one of the following:

1. the character *****, selecting all entries;
2. a field of a database entry, for instance *fullname* or *units_per_em*, according to which the output will be sorted; or
3. an expression of the form **field:value** to limit the output to entries whose **field** matches **value**.

--fields=FIELDS

Comma-separated list of fields that should be printed. The default is *fullname,version*. (Only meaningful with **--list**.)

font and lookup caches**--flush-lookups**

Clear font name lookup cache (experimental).

--cache=DIRECTIVE

Cache control, where *DIRECTIVE* is one of the following:

1. **purge** -> delete Lua files from cache;
2. **erase** -> delete Lua and Luc files from cache;
3. **show** -> print stats.

miscellaneous**--verbose=N, -v**

Set verbosity level to *n* or the number of repetitions of **-v**.

--quiet

No verbose output (log level set to zero).

--log=CHANNEL

Redirect log output (for database troubleshooting), where *CHANNEL* can be

1. **stdout** -> all output will be dumped to the terminal; or

2. **file** -> write to a file to the temporary directory (the name will be chosen automatically (**experimental!**)).

--version, -V

Show version number and exit.

--help, -h

Show help message and exit.

--diagnose=CHECK

Run the diagnostic procedure *CHECK*. Available procedures are:

1. **files** -> check *Luaotfload* files for modifications;
2. **permissions** -> check permissions of cache directories and files;
3. **repository** -> check the git repository for new releases.

Specify **thorough** to run all checks.

FILES

The font name database is usually located in the directory **texmf-var/luatex-cache/generic/names/** (**\$TEXMFCACHE** as set in **texmf.cnf**) of your *TeX Live* distribution as **luaotfload-names.lua**. The experimental lookup cache will be created as **luaotfload-lookup-cache.lua** in the same directory. Both files are safe to delete, at the cost of regenerating them with the next run of *LuaTeX*.

SEE ALSO

luatex (1), **lua** (1)

- **texdoc luaotfload** to display the manual for the *Luaotfload* package
- Luaotfload development <https://github.com/lualatex/luaotfload>
- LuaLaTeX mailing list <http://tug.org/pipermail/lualatex-dev/>
- LuaTeX <http://luatex.org/>
- ConTeXt <http://wiki.contextgarden.net>
- Luaotfload on CTAN <http://ctan.org/pkg/luaotfload>

BUGS

Tons, probably.

AUTHORS

Luaotfload is maintained by the LuaLaTeX dev team (<https://github.com/lualatex/>). The font-loader code is provided by Hans Hagen of Pragma ADE, Hasselt NL (<http://pragma-ade.com/>).

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