NAME

update−fonts−scale − generate fonts.scale files

SYNOPSIS

update−fonts−scale [*OPTION*] *directory ...*

DESCRIPTION

update−fonts−scale assembles a *fonts.scale* file in an X font directory using one or more scale files found in a subdirectory of */etc/X11/fonts/*. It is typically invoked only from the post−installation and post−removal scripts of a package containing scalable fonts usable by the X Window System whose X LFD font names are not in the font files themselves, but may be invoked at any time to reconstruct *fonts.scale* files. For each *directory*, which is either an absolute path to an X font directory or (preferably) simply the last component of its path (such as '75dpi' or 'misc'), **update−fonts−scale** will assemble either */usr/lib/X11/fonts/* directory*/fonts.scale* or */usr/share/fonts/X11/* directory*/fonts.scale* from the index files found at */etc/X11/fonts/* directory */package.scale*, where *package* is the name of the package installing the fonts.

This enables multiple packages to provide names for fonts in the same directory. No font package actually provides the *fonts.scale* file in the X font directory itself, so there is no danger of overwriting one package's font names with those of another.

For instance, the two packages 'xfonts−scalable' (real) and 'xfonts−nifty' (hypothetical) may both install fonts into the directory */usr/lib/X11/fonts/Type1*. They each place their *fonts.scale* files in */etc/X11/fonts/Type1/xfonts−scalable.scale* and */etc/X11/fonts/Type1/xfonts−nifty.scale* (respectively). **update−fonts−scale** concatenates these two files (as well as any others that match */etc/X11/fonts/Type1/*.scale*) into */usr/lib/X11/fonts/Type1/fonts.scale*.

The format for *fonts.scale* files is given in the **mkfontdir**(1x) manual page.

An example of how to use **update−fonts−scale** in package maintainer scripts is provided in the Debian Policy Manual.

OPTIONS

−h, **−−help** displays a brief usage message and exits.

OPERANDS

update−fonts−scale takes one or more X font directory names to operate on as operands. Only the final path component of the directory name should be specified; e.g.,

> **update−fonts−scale 75dpi**

is correct, while '**update−fonts−scale /usr/X11R6/lib/X11/fonts/75dpi**' and '**update−fonts−scale /usr/lib/X11/fonts/75dpi**' are not.

ENVIRONMENT

COLUMNS

indicates the width of the terminal device in character cells. This value is used for formatting diagnostic messages. If not set, the terminal is queried using **stty**(1) to determine its width. If that fails, a value of '80' is assumed.

DEBUG

determines whether low−level diagnostic messages are issued to standard error output. A null (empty) or unset value indicates that they are not, and a non−null value indicates that they are.

DIAGNOSTICS

Errors

usage error: one or more font directories must be provided

update−fonts−scale was invoked without operands. Supply one or more X font directory names to operate on.

usage error: unrecognized option

update−fonts−scale was invoked with an unrecognized option argument. Use only the options documented in "OPTIONS", above.

fatal error: path to X font directory must be used
> A directory name was supplied that was not an X font directory name. Supply X font directory names only.

Warnings

warning: absolute path *directory* **was provided**
> Usage of absolute paths is deprecated. Use only the final component of the X font directory name for *directory*.

warning: *directory* **does not exist or is not a directory**
> The supplied *directory* was invalid. **update−fonts−scale** skipped it.

Notes

Notes are only displayed under special circumstances; see "ENVIRONMENT". above.

note: *index* **references nonexistent font file** *filename*
> The index file */etc/X11/fonts/* directory */* package.*scale*, refers to a nonexistent font file, *filename*. This is normal when *package* has been removed, but not purged from the system. In other circumstances, it likely indicates an error in *package*.

EXIT STATUS

0   **update−fonts−scale** ran successfully.

1   **update−fonts−scale** experienced a fatal error; see the section on diagnostic messages above.

2   **update−fonts−scale** was invoked with invalid arguments.

BUGS

See the Debian Bug Tracking System ⟨`https://bugs.debian.org/xfonts-utils`⟩. If you wish to report a bug in **update−fonts−scale**, please see */usr/share/doc/debian/bug−reporting.txt* or the **report-bug**(1) command.

AUTHOR

update−fonts−scale was written by Branden Robinson.

SEE ALSO

mkfontdir(1x)