FontConfig

From CBLFS

Download Source: http://fontconfig.org/release/fontconfig-2.8.0.tar.gz

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Introduction to FontConfig

Fontconfig is a library for font customization and configuration.

Project Homepage: http://fontconfig.org/wiki/

Dependencies

Required

- FreeType
- expat

Optional

- LibXML2
- DocBook Utils

> ⚠️ **Note**
>
> If you have DocBook-utils installed and you remove the *--disable-docs* parameter from the configure command below, you must have SGMLS and JadeTeX installed also, or the Fontconfig build will fail.

Configuration Information

--enable-libxml2: use libxml2 instead of Expat.

Non-Multilib

Compile the package:

```
./configure --prefix=/usr --sysconfdir=/etc \
    --disable-docs --localstatedir=/var --without-add-fonts &&

make
```

Install the package

```
make install &&
install -v -m644 doc/*.3 /usr/share/man/man3 &&
install -v -m644 doc/*.5 /usr/share/man/man5 &&
install -v -m755 -d /usr/share/doc/fontconfig-2.8.0/fontconfig-devel &&
install -v -m644 doc/*.{html,pdf,txt} /usr/share/doc/fontconfig-2.8.0 &&
install -v -m644 doc/fontconfig-devel/* /usr/share/doc/fontconfig-2.8.0/fontconfig-devel
```

Command Explanations

--disable-docs: This switch avoids building the documentation (the release tarball includes pre-generated documentation).

--without-add-fonts: This switch disables the automatic search for X Window System fonts which, if found, may confuse some applications.

--with-docdir=/usr/share/doc/fontconfig-2.8.0: Though this parameter seems counter-intuitive following the preceding parameter to the **configure** command, it is used so that if the builder removes the --disable-docs parameter, the documentation will be installed in a versioned directory name instead of the default

/usr/share/doc/fontconfig.

Multilib

32Bit

Compile the package:

```
USE_ARCH=32 CC="gcc ${BUILD32}" PKG_CONFIG_PATH="${PKG_CONFIG_PATH32}" \
./configure --prefix=/usr \
    --sysconfdir=/etc --localstatedir=/var --disable-docs --without-add-fonts &&
make
```

Install the package

```
make install
```

N32

Compile the package:

```
USE_ARCH=n32 CC="gcc ${BUILDN32}" PKG_CONFIG_PATH="${PKG_CONFIG_PATHN32}" \
./configure --prefix=/usr \
    --sysconfdir=/etc --localstatedir=/var --disable-docs --without-add-fonts \
    --libdir=/usr/lib32 &&
make
```

Install the package

```
make install
```

64Bit

Compile the package:

```
USE_ARCH=64 CC="gcc ${BUILD64}" PKG_CONFIG_PATH="${PKG_CONFIG_PATH64}" \
./configure --prefix=/usr \
    --sysconfdir=/etc --localstatedir=/var --disable-docs --without-add-fonts \
    --libdir=/usr/lib64 --with-freetype-config=/usr/bin/freetype-config &&
make
```

Install the package

```
make install &&
install -v -m644 doc/*.3 /usr/share/man/man3 &&
install -v -m644 doc/*.5 /usr/share/man/man5 &&
install -v -m755 -d /usr/share/doc/fontconfig-2.8.0/fontconfig-devel &&
install -v -m644 doc/*.{html,pdf,txt} /usr/share/doc/fontconfig-2.8.0 &&
install -v -m644 doc/fontconfig-devel/* /usr/share/doc/fontconfig-2.8.0/fontconfig-devel
```

Contents

Installed Programs:	fc-cache, fc-list, and fc-match
Installed Libraries:	libfontconfig.{so,a}
Installed Directories:	/etc/fonts, /usr/include/fontconfig, /usr/share/doc/fontconfig-2.8.0

Short Descriptions

fc-cache	is used to create font information caches.
fc-list	is used to create font lists.
fc-match	is used to match available fonts, or find fonts that match a given pattern.
libfontconfig. {so,a}	contains functions used by the Fontconfig programs and also by other programs to configure or customize font access.

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- This page was last modified on 5 December 2010, at 19:11.