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Version 2.3.0

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zlib official site: <http://www.zlib.org/>

Versions 1.2.8, 1.28

zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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Jean-loup Gailly Mark Adler  
jloup@gzip.org madler@alumni.caltech.edu

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Versions 2.8.12, 3.0.2, 3.1.0

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libpng official site: <http://www.libpng.org/>

Version 1.2.5

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Version 6b

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Official site: <https://libjpeg-turbo.org/>

Versions 1.4.2, 2.1.0

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libtiff official site: <http://www.libtiff.org/>

Version 4.0.1

# The Ptex Library

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PTex library official site: <http://ptex.us/>

Versions 2.2

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Version 1.8.7

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Versions 1.0.9, 2.0.0

## yaml-cpp

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Version 0.6.3

## TinyXML

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Version 2.6.1

## MD5

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Version 1.4

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Versions 1.8.11.1000, ... 1.8.11.2005, 1.8.11.2009, 1.8.11.2809, 1.8.11.9999

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Versions - 3.4.2, ... 8.0.1, 8.0.1, 11.0.0, 11.0.0

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Versions 3.2.0, 3.13.0

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Version 1.2

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Versions 7.57.0

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Version 2.7.0

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Version 3.5.1

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Version 0.6.4

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Version 1.1

## **Blosc - A blocking, shuffling and lossless compression library**

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Version 1.5.2

## **FastLZ - lightning-fast lossless compression library**

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Version Blosc/1.5.2

## **Stdint - ISO C9x compliantstdint.h for Microsoft Visual Studio**

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## LZ4 - Fast LZ compression algorithm

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- LZ4 homepage : <http://fastcompression.blogspot.com/p/lz4.html>
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Version 1.5.0

## Snappy - A fast compressor/decompressor

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Version 1.1.1

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## The Libevhttp Library

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## OpenGL Shading Language

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## Little CMS

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Little CMS

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## The nanoflann library

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## Instructions for replacing the Qt library (as per LGPL)

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1. Get the source code by cloning from the official repository. You have to observe binary compatibility with the application, so in order to avoid missing symbols you need to checkout version 5.13 or newer. Use either command:

```
git clone --recurse-submodules git://code.qt.io/qt/qt5.git
cd qt5 && git checkout 5.13 && git submodule update
```

```
git clone --recurse-submodules https://code.qt.io/qt/qt5.gitcd qt5 && git checkout 5.13 && git submodule update
```

2. Make your modifications, if any, and follow the included README instructions to compile the shared libraries.

3. Replace all the Qt shared libraries and plugins with the new versions. If you only replace some of them incompatibility and crashes may occur. The application should successfully load and work with the new binaries.



# FFmpeg library under LGPL v2.1

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#### Version 2.1, February 1999

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## Instructions for replacing the FFmpeg library (as per LGPL)

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1. Get the source code by cloning from the official repository. To observe compatibility checkout the same version 4.3.1. Use either command:

```
git clone git://git.ffmpeg.org/ffmpeg.git cd ffmpeg && git checkout n4.3.1
```

```
git clone https://git.ffmpeg.org/ffmpeg.git cd ffmpeg && git checkout n4.3.1
```

2. Make your modifications, if any, and follow the FFmpeg project instructions to compile the shared libraries. The command that was used to configure this copy is:

```
configure --target-os=win64 --arch=x86_64 --toolchain=msvc --enable-shared
```

```
make && make install
```

3. Replace all the FFmpeg shared libraries with the new versions. If you only replace some of them incompatibility and crashes may occur. The application should successfully load and work with the new binaries.



