



## Compilation of FFmpeg 4.0 in Windows 10

Thanks to Сергей Д. (Sergey D.), that point, in the russian OpenMeetings list, to:

<http://www.thingsiuse.org/2014/06/building-ffmpeg-for-h264-and-aac.html>

...in which i based to make this tutorial. Compile ffmpeg with fdk-aac and x264 in Windows 10.

It is tested and works right on OpenMeetings 4.0.2. Please, download and install 7-Zip compresor.

### Starting...

1)

Make a folder called **ffb** in the root drive C: or the yours.

Would look so:

C:\ffb

2)

Will download the necessary base to compile (71mb size):

[http://xhmikosr.1f0.de/tools/msys/MSYS\\_MinGW-w64\\_GCC\\_710\\_x86-x64\\_Full.7z](http://xhmikosr.1f0.de/tools/msys/MSYS_MinGW-w64_GCC_710_x86-x64_Full.7z)

Uncompress this file, and inside is a folder called **MSYS**, move it to C:\ffb. The path will look so:

C:\ffb\MSYS

We browse to there and launch the `msys.bat` file:

`C:\ffb\MSYS\msys.bat`

...will open a terminal and automatically will create two folders called `home` and other which name is your OS user name. Will look so:

`C:\ffb\MSYS\home\your-username`

3)

Download the files and move them to `C:\ffb\MSYS\home\your-username`:

<https://sourceforge.net/projects/lame/files/lame/3.100/lame-3.100.tar.gz/download>

<https://sourceforge.net/projects/opencore-amr/files/fdk-aac/fdk-aac-0.1.6.tar.gz/download>

<https://download.videolan.org/x264/snapshots/x264-snapshot-20180613-2245.tar.bz2>

<http://ffmpeg.org/releases/ffmpeg-4.0.tar.bz2>

...remember move them...

4)

We start to compile. Will spend about 30-40 minutes.

Please clic on `C:\ffb\MSYS\msys.bat` file, *if the terminal it is not open*, and copy and paste:

----- **Lame** -----

`tar xvfz lame-3.100.tar.gz`

`cd ~/lame-3.100`

(Only one line with space between both)

`./configure --prefix=/usr/local/x86_64-w64-mingw32 --host=x86_64-w64-mingw32 --enable-static  
--disable-shared --disable-decoder --enable-nasm`

`make clean && make`

`make install`

`cd ~`

----- **Fdk-aac** -----

```
tar xvfz fdk-aac-0.1.6.tar.gz
```

```
cd ~/fdk-aac-0.1.6
```

(Only one line without space between both)

```
./configure --prefix=/usr/local/x86_64-w64-mingw32 --host=x86_64-w64-mingw32 --enable-shared=no
```

```
make clean && make
```

```
make install
```

```
cd ~
```

### ----- X-264 -----

```
tar xvjf x264-snapshot-20180613-2245.tar.bz2
```

```
cd ~/x264-snapshot-20180613-2245
```

(Only one line without space between both)

```
./configure --prefix=/usr/local/x86_64-w64-mingw32 --cross-prefix=x86_64-w64-mingw32- --host=x86_64-w64-mingw32 --enable-static --bit-depth=8 --enable-win32thread
```

```
make clean && make
```

```
make install
```

```
cd ~
```

### ----- FFmpeg -----

```
tar xvjf ffmpeg-4.0.tar.bz2
```

```
cd ~/ffmpeg-4.0
```

(Only one line. The red text is one command. Lines 3 and 4 with space between both)

```
CPPFLAGS="$CPPFLAGS -I/usr/local/x86_64-w64-mingw32/include" ./configure --extra-ldflags='-L/usr/local/x86_64-w64-mingw32/lib' --prefix=/usr/local/x86_64-w64-mingw32 --cross-prefix=x86_64-w64-mingw32- --target-os=mingw32 --enable-w32threads --arch=x86_64 --enable-runtime-cpudetect --disable-debug --enable-static --disable-shared --disable-ffplay --enable-gpl --enable-version3 --enable-nonfree --enable-libmp3lame --enable-libfdk-aac --enable-libx264
```

...wait...and don't press any key after **Enter**. It is compiling, even look stoped.

make clean && make

make install

cd ~

...FFmpeg Compilation is Finished.

You can find the compiled files in:

C:\ffb\MSYS\local\x86\_64-w64-mingw32\bin

...these are: [ffmpeg.exe](#), [ffprobe.exe](#), [lame.exe](#) and [x264.exe](#)

Now you can copy and put them in C:\ffmpeg ...for example, for OpenMeetings.

When you are in OpenMeetings, remember type that ffmpeg path in:

**Administration ==> Configuration ==> path.ffmpeg**

And this is all.

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If you have some doubt or question, please raise it in the Apache OpenMeetings forums:

<http://openmeetings.apache.org/mail-lists.html>



Thank you.

Alvaro Bustos