

## Tvheadend - Bug #5504

### building error

2019-01-19 14:12 - Ricardo Rocha

<b>Status:</b>	Fixed	<b>Start date:</b>	2019-01-19
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Packaging	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Affected Versions:</b>	
<b>Found in version:</b>	v4.3.1731		
<b>Description</b>			
<pre>/usr/bin/ld: /root/tvheadend/build.linux/ffmpeg/build/ffmpeg/lib/libavutil.a(hwcontext_vaapi.o): undefined reference to symbol 'XDisplayName' //usr/lib/x86_64-linux-gnu/libX11.so.6: error adding symbols: DSO missing from command line collect2: error: ld returned 1 exit status Makefile:709: recipe for target '/root/tvheadend/build.linux/tvheadend' failed make<sup>2</sup>: * [/root/tvheadend/build.linux/tvheadend] Error 1 make<sup>2</sup>: Leaving directory '/root/tvheadend' debian/rules:15: recipe for target 'override_dh_auto_build' failed make<sup>1</sup>: [override_dh_auto_build] Error 2 make<sup>1</sup>: Leaving directory '/root/tvheadend' debian/rules:6: recipe for target 'build' failed make: ** [build] Error 2 dpkg-buildpackage: error: debian/rules build subprocess returned exit status 2</pre>			

### Associated revisions

#### Revision d250c184 - 2019-03-13 15:13 - jebos

Update to newest ffmpeg to fix libX11 compile issue "DSO missing from commandline"

Fixes #5504

### History

#### #1 - 2019-01-19 14:22 - saen acro

Ricardo Rocha wrote:

```
/usr/bin/ld: /root/tvheadend/build.linux/ffmpeg/build/ffmpeg/lib/libavutil.a(hwcontext_vaapi.o): undefine
d reference to symbol 'XDisplayName'
//usr/lib/x86_64-linux-gnu/libX11.so.6: error adding symbols: DSO missing from command line
collect2: error: ld returned 1 exit status
Makefile:709: recipe for target '/root/tvheadend/build.linux/tvheadend' failed
make[2]: *** [/root/tvheadend/build.linux/tvheadend] Error 1
make[2]: Leaving directory '/root/tvheadend'
debian/rules:15: recipe for target 'override_dh_auto_build' failed
make[1]: *** [override_dh_auto_build] Error 2
make[1]: Leaving directory '/root/tvheadend'
debian/rules:6: recipe for target 'build' failed
make: *** [build] Error 2
dpkg-buildpackage: error: debian/rules build subprocess returned exit status 2
```

What os/version?

#### #2 - 2019-01-19 14:24 - Ricardo Rocha

ubuntu 18.04

sorry!

#### #3 - 2019-01-21 09:27 - Ricardo Rocha

anyone else with this problem?

#### #4 - 2019-01-21 10:49 - saen acro

What command for compilation you use?

#### #5 - 2019-01-21 11:22 - Ricardo Rocha

```
AUTOBUILD_CONFIGURE_EXTRA="--enable-ccache --enable-ffmpeg_static --enable-hdhomerun_static" ./Autobuild.sh -t bionic-amd64
```

#### #6 - 2019-01-21 14:04 - saen acro

Ricardo Rocha wrote:

```
> -t bionic-amd64
```

this can be removed it's autodetected, when local build used

```
cat buildtvh.sh
#!/bin/bash

BASE=$(dirname "$0")
(
  if [ -d "$BASE/tvheadend" ]; then
    cd "$BASE/tvheadend"
    git pull
  else
    cd "$BASE"
    git clone https://github.com/tvheadend/tvheadend.git tvheadend
    cd "$BASE/tvheadend"
  fi
  time AUTOBUILD_CONFIGURE_EXTRA="--disable-bintray_cache --disable-hdhomerun_client --disable-hdhomerun_stati
c " ./Autobuild.sh -j$(nproc)
) | tee "$BASE/build.log"
```

in my script, build without any problem on 18.04

#### #7 - 2019-01-21 14:07 - saen acro

Is **make distclean** was been used?

#### #8 - 2019-01-21 15:25 - Ricardo Rocha

saen acro wrote:

Is **make distclean** was been used?

yes....

even deleted all build directory manually and make a new git clone!

#### #9 - 2019-01-23 11:52 - Ricardo Rocha

@Jaroslav it seems like -lX11 flag is missing somewhere could you point the right direction?

#### #10 - 2019-01-24 05:37 - Bastian Kleinschmidt

hi, i can confirm

```
CC          tvheadend
/usr/bin/ld: /apps/tvheadend/tvheadend-master/build.linux/ffmpeg/build/ffmpeg/lib/libavutil.a(hwcontext_vaapi.o): undefined reference to symbol 'XDisplayName'
//usr/lib/x86_64-linux-gnu/libX11.so.6: error adding symbols: DSO aus der Kommandozeile fehlt
collect2: error: ld returned 1 exit status
Makefile:709: recipe for target '/apps/tvheadend/tvheadend-master/build.linux/tvheadend' failed
make[1]: *** [/apps/tvheadend/tvheadend-master/build.linux/tvheadend] Error 1
make[1]: Verzeichnis „/apps/tvheadend/tvheadend-master“ wird verlassen
Makefile:107: recipe for target 'ffmpeg_all' failed
make: *** [ffmpeg_all] Error 2
```

build in ubuntu 18.04 with

```
./configure --enable-bundle --enable-ffmpeg_static --enable-libffmpeg_static --enable-libx264 --enable-libx265 --enable-vaapi --extra-libs=-lpthread
```

#### #11 - 2019-02-06 16:49 - saen acro

confirming error inside **Windows Subsystem for Linux**

no video devices inside container

```
/usr/bin/ld: /opt/tvheadend/build.linux/ffmpeg/build/ffmpeg/lib/libavutil.a(hwcontext_vaapi.o): undefined reference to symbol 'XDisplayName'
//usr/lib/x86_64-linux-gnu/libX11.so.6: error adding symbols: DSO missing from command line
collect2: error: ld returned 1 exit status
Makefile:709: recipe for target '/opt/tvheadend/build.linux/tvheadend' failed
make[2]: *** [/opt/tvheadend/build.linux/tvheadend] Error 1
make[2]: Leaving directory '/opt/tvheadend'
debian/rules:15: recipe for target 'override_dh_auto_build' failed
make[1]: *** [override_dh_auto_build] Error 2
make[1]: Leaving directory '/opt/tvheadend'
debian/rules:6: recipe for target 'build' failed
make: *** [build] Error 2
dpkg-buildpackage: error: debian/rules build gave error exit status 2
```

#### **#12 - 2019-02-06 18:24 - Bastian Kleinschmidt**

Reverting back to ffmpeg 4.0 (makefile.ffmpeg) fix the problem for me.

#### **#13 - 2019-02-07 17:29 - saen acro**

Any one have idea how to solve problem with Ubuntu 18.04?

#### **#14 - 2019-03-13 15:13 - Anonymous**

- Status changed from New to Fixed

- % Done changed from 0 to 100

Applied in changeset [tvheadend@d250c1844798791a1354254a60545d4be5ada197](#).