
Subject: Error building upp on Ventura

Posted by [Maelcum](#) on Wed, 06 Dec 2023 19:44:29 GMT

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Hi,

I'm trying to build the latest version on Ventura but it fails with the following error(s):

Id: Undefined symbols:

```
Upp::PNGEncoder::PNGEncoder(int, Upp::ImageKind, bool), referenced from:
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
Upp::PNGEncoder::~~PNGEncoder(), referenced from:
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
Upp::StreamRaster::LoadFileAny(char const*, Upp::Function<bool (int, int)>), referenced from:
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
Upp::StreamRasterEncoder::SaveFile(char const*, Upp::Image const&), referenced from:
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
Upp::PNGRaster__initializer(), referenced from:
  __GLOBAL__sub_I_Cocoa.cpp in Builders.a[9](Cocoa.o)
Upp::Image::Image(Upp::Image const&), referenced from:
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
Upp::Image::~~Image(), referenced from:
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
  ...
Upp::Image::operator=(Upp::Image const&), referenced from:
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
Upp::Rescale(Upp::Image const&, int, int, Upp::Function<bool (int, int)>), referenced from:
  GccBuilder::CocoaAppBundle() in Builders.a[9](Cocoa.o)
clang: error: linker command failed with exit code 1 (use -v to see invocation)
make: *** [umk] Error 1
./umk ./uppsrc ide CLANG -brs ./theide
./install: line 106: ./umk: No such file or directory
./install: line 107: ./umk: No such file or directory
Something went wrong.
Please notify developers.
```

I'm using brew and I have libpng installed.

Any advice?

Thanks in advance,
M

Subject: Re: Error building upp on Ventura
Posted by [Klugier](#) on Wed, 20 Dec 2023 13:44:56 GMT
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Hello,

Did you initiate the build by running install command from upp root directory after extracting:

`./install`

It should install following packages on mac using brew:

`brew install openssl clang-format`

Also, it is recommended to install XCode. Right now I can not confirm whenever it is needed, but definitely it is worth installing. In the end you need XCode command line tools. Here is the article that describes how to download them.

Klugier

Subject: Re: Error building upp on Ventura
Posted by [Maelcum](#) on Thu, 21 Dec 2023 03:26:46 GMT
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Hi Klugier,

Thanks for the reply!

I used

`./configure`
`./install`

from the root folder.

Both open ssl and clang-format installed by brew, and I also have Xcode and Xcode command line tools installed.

Tanks,
M

Subject: Re: Error building upp on Ventura
Posted by [Klugier](#) on Thu, 21 Dec 2023 09:51:02 GMT
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Hello,

I confirm the issue is there. I manage to reproduce on my mac when building U++ from tarball. The issue was introduced in this change (UMK as pure console application). We will be working on the fix. Since, that time I encourage you to use stable release instead. It should not be affected by this change. Thank you very much for reporting this issue! Thanks to that our project will be better.

Klugier

Subject: Re: Error building upp on Ventura
Posted by [Maelcum](#) on Thu, 21 Dec 2023 19:12:56 GMT
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Hi,

Thanks a lot for investigating!
I downloaded a few stable versions (2023.2, 2023.1, 2022.3), but all my attempts to build from source failed, unfortunately.

16270 (2022.2) has a pre-built theide app, so I'm testing it for now.

Thanks,
M

Subject: Re: Error building upp on Ventura
Posted by [Klugier](#) on Mon, 25 Dec 2023 16:02:30 GMT
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Hello Maelcum,

Mirek reverted broken commit, so everything should works fine right now. Please check with today's nightly (25th of December 2023) or newest and let me know if everything works as expected.

Klugier

Subject: Re: Error building upp on Ventura
Posted by [Maelcum](#) on Fri, 05 Jan 2024 02:43:26 GMT
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Hi Klugier,

Sorry about the late answer!

I tried to build the latest nightly (17150) on Ventura, but it failed, unfortunately.

```
(date '+#define bmYEAR  %y%n#define bmMONTH  %m%n#define bmDAY   %d%n#define
bmHOUR   %H%n#define bmMINUTE  %M%n#define bmSECOND %S%n#define bmTIME
Time( %y, %m, %d, %H, %M, %S )' | sed 's| 0\([[:digit:]]\)| \1|g' && \
echo '#define bmMACHINE "'`hostname`"' && \
echo '#define bmUSER   "'`whoami`"' ) > ".cache/upp.out/build_info.h"
make: *** No rule to make target `uppsrc/umk/Console.cpp', needed by
`.cache/upp.out/umk/GCC-Gcc-Linux-Main-Nomm-Posix-Shared/Console.o'. Stop.
make: *** Waiting for unfinished jobs....
./umk ./uppsrc ide CLANG -brs ./theide
./install: line 106: ./umk: No such file or directory
./install: line 107: ./umk: No such file or directory
Something went wrong.
Please notify developers.
```

I also tried an earlier (17138) which also failed. The build process created a broken theide.app file which was mostly empty. The error message wasn't really helpful.

Linking...

/Users/imrelovasz/dev/External/build/upp_17138/umk (4475184 B) linked in (0:00.38)

OK. (1:40.80)

Something went wrong.

Please notify developers.

I also downloaded upp-posix-17136.tar.xz (the suggested nightly for 2023.12.25) but it contains Windows executables, it's not a source distribution.

Thanks in advance,

M

File Attachments

1) [Screenshot 2024-01-04 at 18.42.15.png](#), downloaded 156 times

Subject: Re: Error building upp on Ventura
Posted by [Klugier](#) on Fri, 05 Jan 2024 10:20:46 GMT
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Hello,

The nightly build 17150 compiles fine on my mac machine (Sonoma 14.1.1). I downloaded "01:06 upp-posix-17150.tar.xz (35 MB)" and then extracted archive to my home directory and then in terminal I ran:
./install

In case of problems, can you post here full compilation log - not only the last part of it. Also, please remove all previous installations of upp (do not override files from new archive).

Klugier

Subject: Re: Error building upp on Ventura
Posted by [Maelcum](#) on Fri, 05 Jan 2024 15:30:13 GMT
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Hi,

I've attached the entire build log for trying to build 17150 on Ventura and Monterey (in a zip file, since I can't attach/upload more than one file).

Thanks,
Imre

File Attachments

1) [build_logs.zip](#), downloaded 150 times

Subject: Re: Error building upp on Ventura
Posted by [Klugier](#) on Fri, 05 Jan 2024 20:27:12 GMT
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Hello,

Thanks for uploading the log file! It looks like linker can not find openssl. Here is the errors from your log file:

Linking...

clang: error: no such file or directory: 'libcrypto.a'
clang: error: no such file or directory: 'libssl.a'

Can you run on your machine following command and send me the output:

```
brew list openssl
```

Also, currently I am trying to launch mac build on CircleCI and I encourage similar problem. Here is my PR (CircleCI for macOS). If you want to try and move forward, you may try to modify `uppsrc/ide/Builders/Install.cpp` to what I have in PR. It means that line 163 and 164 should be:

```
Path("$INCLUDE$",  
"/opt/local/include;/usr/include;/usr/local/include;/opt/homebrew/include;/opt/homebrew/opt/openssl/include");  
Path("$LIB$", "/opt/local/lib;/usr/lib;/usr/local/lib;/opt/homebrew/lib;/opt/homebrew/opt/openssl/lib");
```

Klugier

Subject: Re: Error building upp on Ventura
Posted by [Maelcum](#) on Fri, 05 Jan 2024 20:30:31 GMT
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Hi,

Sure, here's the output:

```
/usr/local/Cellar/openssl@3/3.2.0_1/.bottle/etc/ (7 files)  
/usr/local/Cellar/openssl@3/3.2.0_1/bin/c_rehash  
/usr/local/Cellar/openssl@3/3.2.0_1/bin/openssl  
/usr/local/Cellar/openssl@3/3.2.0_1/include/openssl/ (139 files)  
/usr/local/Cellar/openssl@3/3.2.0_1/lib/libcrypto.3.dylib  
/usr/local/Cellar/openssl@3/3.2.0_1/lib/libssl.3.dylib  
/usr/local/Cellar/openssl@3/3.2.0_1/lib/engines-3/ (3 files)  
/usr/local/Cellar/openssl@3/3.2.0_1/lib/ossl-modules/legacy.dylib  
/usr/local/Cellar/openssl@3/3.2.0_1/lib/pkgconfig/ (3 files)  
/usr/local/Cellar/openssl@3/3.2.0_1/lib/ (4 other files)  
/usr/local/Cellar/openssl@3/3.2.0_1/share/doc/ (850 files)  
/usr/local/Cellar/openssl@3/3.2.0_1/share/man/ (5787 files)
```

Thanks,
M

Subject: Re: Error building upp on Ventura
Posted by [Klugier](#) on Fri, 05 Jan 2024 20:37:55 GMT
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Hello,

This PR (CircleCI for macOS) should solve your issue. I managed to reproduce your problem on CircleCI. Exactly the same error and exactly the same paths returned by brew list command. If you want to move forward you can modify the source file by your own (uppsrc/ide/Builders/Install.cpp - lines 163 & 164) to:

```
Path("$INCLUDE$",  
"/opt/local/include;/usr/include;/usr/local/include;/opt/homebrew/include;/opt/homebrew/opt/openssl/include");  
Path("$LIB$", "/opt/local/lib;/usr/lib;/usr/local/lib;/opt/homebrew/lib;/opt/homebrew/opt/openssl/lib");
```

As you see in above code. I added /usr/local/include to "\$INCLUDES" and /usr/local/lib to "\$LIB\$". If you don't want to experiment you will need to wait several days until we will merge my PR and then when new nightly build will be generated. I will let you know when it will happened.

Many thanks for raising this issue! Very important one!

Klugier

Subject: Re: Error building upp on Ventura
Posted by [Klugier](#) on Sat, 06 Jan 2024 18:40:26 GMT
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Hello Maelcum,

My PR with the fix has been merged. Please check compilation on tomorrows nightly (January 7th 2024). The version number should be something equal or greater than 17154.

Klugier

Subject: Re: Error building upp on Ventura
Posted by [Maelcum](#) on Sat, 06 Jan 2024 19:43:55 GMT
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Hi Klugier,

Thank you very much to investigate and fix the issue!

I'll check the new nightly tomorrow and I let you know.

Cheers,
M

Subject: Re: Error building upp on Ventura
Posted by [Maelcum](#) on Mon, 08 Jan 2024 19:50:47 GMT
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Hi Klugier,

I've downloaded upp-posix-17155.tar.xz, built/installed it, and everything seems to be working fine.

Thank you so much!

Cheers,
M

Subject: Re: Error building upp on Ventura
Posted by [Klugier](#) on Mon, 08 Jan 2024 20:31:04 GMT
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Hello Maelcum,

Good to hear that! Enjoy TheIDE and our framework we put a lot of effort into it!

Klugier
