



# Irrlicht Engine

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## [irrrlicht 1.8.4 build failure on macOS](#)

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### [irrrlicht 1.8.4 build failure on macOS](#)

by [ilovezfs](#) » Wed Oct 05, 2016 2:14 pm

error: cannot initialize a parameter of type 'id<NSApplicationDelegate> \_Nullable' with an rvalue of type 'id<NSFileManagerDelegate>'

cpp Code: [Select all](#)

```
CompileC build/MacOSX.build/Release/libIrrlicht.a.build/Objects-normal/x86_64/CIrrDeviceMacOSX.o
CIrrDeviceMacOSX.mm normal x86_64 objective-c++ com.apple.compilers.llvm.clang.1_0.compiler
cd /tmp/irrrlicht-20161005-33773-gj64qh/irrrlicht-1.8.4/source/Irrlicht/MacOSX
export LANG=en_US.US-ASCII
/Applications/Xcode.app/Contents/Developer/Toolchains/XcodeDefault.xctoolchain/usr/bin/clang
-x objective-c++ -arch x86_64 -fmessage-length=0 -fdiagnostics-show-note-include-stack -fmacro-
backtrace-limit=0 -Wno-trigraphs -fpascal-strings -O3 -mdynamic-no-pic -Wno-missing-field-
initializers -Wno-missing-prototypes -Wno-implicit-atomic-properties -Wno-arc-repeated-use-of-
weak -Wno-non-virtual-dtor -Wno-overloaded-virtual -Wno-exit-time- destructors -Wno-missing-braces
-Wparentheses -Wswitch -Wno-unused-function -Wno-unused-label -Wno-unused-parameter -Wno-unused-
variable -Wunused-value -Wno-empty-body -Wno-uninitialized -Wno-unknown-pragmas -Wno-shadow -Wno-
four-char-constants -Wno-conversion -Wno-constant-conversion -Wno-int-conversion -Wno-bool-
conversion -Wno-enum-conversion -Wno-shorten-64-to-32 -Wno-newline-eof -Wno-selector -Wno-strict-
selector-match -Wno-undeclared-selector -Wno-deprecated-implementations -Wno-c++11-extensions -
isysroot
/Applications/Xcode.app/Contents/Developer/Platforms/MacOSX.platform/Developer/SDKs/MacOSX10.12.sdk
-fasm-blocks -fstrict-aliasing -Wprotocol -Wdeprecated-declarations -Winvalid-offsetof -mmacosx-
version-min=10.12 -fvisibility=hidden -fvisibility-inlines-hidden -Wno-sign-conversion -Wno-
infinite-recursion -Wno-move -I/tmp/irrrlicht-20161005-33773-gj64qh/irrrlicht-
1.8.4/source/Irrlicht/MacOSX/build/MacOSX.build/Release/libIrrlicht.a.build/Irrlicht.hmap -
I/tmp/irrrlicht-20161005-33773-gj64qh/irrrlicht-1.8.4/source/Irrlicht/MacOSX/build/Release/include
```

```
-I../../../include -I/tmp/irrlight-20161005-33773-gj64qh/irrlight-
1.8.4/source/Irrlicht/MacOSX/build/MacOSX.build/Release/libIrrlicht.a.build/DerivedSources/x86_64
-I/tmp/irrlight-20161005-33773-gj64qh/irrlight-
1.8.4/source/Irrlicht/MacOSX/build/MacOSX.build/Release/libIrrlicht.a.build/DerivedSources -
F/tmp/irrlight-20161005-33773-gj64qh/irrlight-1.8.4/source/Irrlicht/MacOSX/build/Release -DMACOSX
-include /tmp/irrlight-20161005-33773-gj64qh/irrlight-
1.8.4/source/Irrlicht/MacOSX/MacOSX_Prefix.pch -MMD -MT dependencies -MF /tmp/irrlight-20161005-
33773-gj64qh/irrlight-
1.8.4/source/Irrlicht/MacOSX/build/MacOSX.build/Release/libIrrlicht.a.build/Objects-
normal/x86_64/CIrrDeviceMacOSX.d --serialize-diagnostics /tmp/irrlight-20161005-33773-
gj64qh/irrlight-
1.8.4/source/Irrlicht/MacOSX/build/MacOSX.build/Release/libIrrlicht.a.build/Objects-
normal/x86_64/CIrrDeviceMacOSX.dia -c /tmp/irrlight-20161005-33773-gj64qh/irrlight-
1.8.4/source/Irrlicht/MacOSX/CIrrDeviceMacOSX.mm -o /tmp/irrlight-20161005-33773-gj64qh/irrlight-
1.8.4/source/Irrlicht/MacOSX/build/MacOSX.build/Release/libIrrlicht.a.build/Objects-
normal/x86_64/CIrrDeviceMacOSX.o
/tmp/irrlight-20161005-33773-gj64qh/irrlight-
1.8.4/source/Irrlicht/MacOSX/CIrrDeviceMacOSX.mm:499:23: error: cannot initialize a parameter of
type 'id<NSApplicationDelegate> _Nullable' with an rvalue of type 'id<NSFileManagerDelegate>'
      [NSApp setDelegate:(id<NSFileManagerDelegate>)[[AppDelegate alloc]
initWithDevice:this] autorelease];
```

Full build log here: <https://gist.github.com/ilovezfs/388c53df589e2bd969d8b5a467d6a1d4>

My workaround is

cpp Code: [Select all](#)

```
inreplace "source/Irrlicht/MacOSX/CIrrDeviceMacOSX.mm",
    "[NSApp setDelegate:(id<NSFileManagerDelegate>)",
    "[NSApp setDelegate:(id<NSApplicationDelegate>)"
```

[ilovezfs](#)

**Posts:** 1

**Joined:** Wed Oct 05, 2016 2:03 pm

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## [Re: irrlight 1.8.4 build failure on macOS](#)

by [Nadro](#) » Wed Oct 05, 2016 7:15 pm

On macOS please use trunk instead of 1.8.x.

[Nadro](#)

**Posts:** 1639

**Joined:** Sun Feb 19, 2006 9:08 am

**Location:** Warsaw, Poland

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