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Congratulations Jon Skeet, and [thanks a million! »](#)



Android NDK C++ stlport

Currently I'm using NDK-r10c with C++11 support through gnuSTL. Unfortunately our project need to switch to stlport. While changing from gnuSTL to stlport many errors raised during compilation. Below is **Application.mk** file.

```
APP_PLATFORM      := android-18
NDK_TOOLCHAIN_VERSION := 4.8
APP_ABI           := armeabi-v7a
APP_STL           := stlport_static
# APP_STL         := gnuSTL_static
APP_CPPFLAGS      := -std=c++11
ifeq ($(NDK_DEBUG),1)
APP_OPTIM         := debug
else
APP_OPTIM         := release
endif
```

It seems that C++11 features are not available: - cbegin(), cend() on vectors - data() on vectors, - cannot deduce auto from cbegin(), etc.

 [android](#) [c++11](#)  [android-ndk](#)

asked Nov 17 '14 at 17:42



[Krzysztof](#)

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@AlexCohn - many companies don't want GPL'd components because of the legal problems it creates. When free-lancing I often have to sign contracts with a no-GPL clause. I'm even aware of companies which have policies that explicitly forbid examining GPL code, even in bug reports. – [jww](#) Jul 17 '16 at 22:22

Now open in the AOSP bug tracker: [Issue 216331: STLport does not support C++11](#). – [jww](#) Jul 17 '16 at 22:50

@jww gnuSTL in spite of its name, is not GPL, it's [LGPL v.3 with extra relaxed exemption](#). – [Alex Cohn](#) Jul 18 '16 at 7:29

2 Answers

STLport is just too old and does not support C++11 at all.

Flags like `-std=c++11` will affect the compiler only, not necessarily the STL implementation.

You will have to use either gnuSTL or libc++

answered Nov 19 '14 at 12:00



[Digit](#)

1,587 1 7 8

How do you use libc++ on Android? I don't see clang support as one of the options to APP_STL. – [NHDaly](#) Jul 12 '15 at 6:01

To use stlport you will need add these lines in your Android.mk

```
# Need this line to allow use alloc on stl containers
LOCAL_CFLAGS := -D_STLP_USE_NEWALLOC

# c++11 support
LOCAL_CPPFLAGS += -std=c++11

# for stl port
LOCAL_LDLIBS += -lstdc++
```

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```
LOCAL_C_INCLUDES += ${NDK_ROOT}/sources/cxx-stl/stlport/stlport
```

answered Nov 18 '14 at 15:15



Alex

1,645 3 15 29

Alex, the is still problem like before: error: 'move' is not a member of 'std', error: 'sort' was not declared in this scope – [Krzysztof](#) Nov 18 '14 at 15:36

@Alex - STLport is also missing <mutex> , <atomics> , etc. – [jww](#) Jul 17 '16 at 22:24
