

## Issues

#	Project	Tracker	Status	Subject	Assignee	Target version
1257	CrystaX NDK	Task	Open	adbrunner should detect if target executable was crashed (i.e. exited by signal) and crash appropriately too	Dmitry Moskalchuk	11.0.0
1256	CrystaX NDK	Task	Open	adbrunner should fail if there are no compatible devices to run executable	Dmitry Moskalchuk	11.0.0
897	CrystaX NDK	Feature	Open	Add crypto++ as a prebuild library		
1036	CrystaX NDK	Feature	Open	Add GNUstep as OBJC implementation alternative	Dmitry Moskalchuk	
72	CrystaX NDK	Task	Open	Add hooking of socket functions in Java for Android 2.1-3.2		
1501	CrystaX NDK	Task	Open	Add just released clang-3.9	Dmitry Moskalchuk	11.0.0
722	CrystaX NDK	Feature	Open	Add libraw library		
75	CrystaX NDK	Task	Open	Add metadata support to assets driver		
898	CrystaX NDK	Feature	Open	Add openssl as a prebuilt library		
1279	CrystaX NDK	Task	Open	Add platforms/android-23 headers and libraries	Dmitry Moskalchuk	11.0.0
81	CrystaX NDK	Feature	Open	Add support for Fortran		
80	CrystaX NDK	Feature	Open	Add support for GO		
994	CrystaX NDK	Task	Open	Add support of GCD (Grand Central Dispatch) by integrating libdispatch from Apple	Dmitry Moskalchuk	11.0.0
1175	CrystaX NDK	Task	Open	Add support of Swift programming language to CrystaX NDK	Dmitry Moskalchuk	11.0.0
1232	CrystaX NDK	Feature	Open	Add support of thread sanitizer	Dmitry Moskalchuk	11.0.0
884	CrystaX NDK	Task	Open	Add test case for posix_fadvise	Dmitry Moskalchuk	11.0.0
878	CrystaX NDK	Task	Open	Add test case for posix_fallocate	Dmitry Moskalchuk	11.0.0
883	CrystaX NDK	Task	Open	Add test case for sysconf()	Dmitry Moskalchuk	11.0.0
743	CrystaX NDK	Task	Open	Add tests for iconv functions	Dmitry Moskalchuk	11.0.0
993	CrystaX NDK	Task	Open	Add WebP prebuilt binaries	Dmitry Moskalchuk	11.0.0
2575	CrystaX NDK	Bug	Open	Android armeabi-v7a Python 3.5 build in NDK 10.3.2 has no lzma	Dmitry Moskalchuk	
1836	CrystaX NDK	Bug	Open	Android Studio's native debug doesn't work due to lack of '-Wl,--build-id' linker option, when building .so libraries	Dmitry Moskalchuk	11.0.0
1041	CrystaX NDK	Bug	Open	[arm64] "Nonrepresentable section on output" when linking with static libobjc2	Dmitry Moskalchuk	11.0.0
76	CrystaX NDK	Task	Open	Assets driver for CrystaX VFS driver		
1713	CrystaX NDK	Bug	Open	AttachCurrentThread crash on versions with ART	Dmitry Moskalchuk	11.0.0
1505	CrystaX NDK	Bug	Open	Basic hello-world example get crashed on call of getauxval() before libcrystax is initialized	Dmitry Moskalchuk	11.0.0
1403	CrystaX NDK	Bug	Open	Boost tests fails to link when building by g++-6 using llvmlibc++	Dmitry Moskalchuk	11.0.0
1965	CrystaX NDK	Bug	Open	bzip2 symbols like `BZ2_bzWriteOpen` are not present in `libcrystax`		11.0.0
987	CrystaX NDK	Bug	Open	clang don't handle properly "-framework" parameter in link mode	Dmitry Moskalchuk	11.0.0
1261	CrystaX NDK	Bug	Open	[clang][mips64] Wrong object file is generated sometimes	Dmitry Moskalchuk	11.0.0

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1382	CrystaX NDK	Bug	Open	[clang] Prebuilt toolchains doesn't include libclang_rt.profile-arm-android.a needed for profiling	Dmitry Moskalchuk	11.0.0
1143	CrystaX NDK	Bug	Open	clock_getres() return too big value on x86 emulator	Dmitry Moskalchuk	
1259	CrystaX NDK	Task	In Progress	[cmake] CMake should be able find internal (at least, C++ and Objective-C) libraries with find_library() call	Dmitry Moskalchuk	11.0.0
1629	CrystaX NDK	Bug	Open	Coudn't resolve symbol		
943	CrystaX NDK	Feature	Open	crew - add curl -x support HttpProxy	Alexander Zhukov	
2607	CrystaX NDK	Bug	Done	crew install command outputs bad error message when formula has a non-existing dependency	Alexander Zhukov	11.0.0
942	CrystaX NDK	Bug	Open	crew update failed with git pull command	Alexander Zhukov	
889	CrystaX NDK	Bug	Open	crystax-test-c++11 fails on x86_64 emulator if build with clang toolchain		11.0.0
819	CrystaX NDK	Bug	Open	Decimal rounding of floating point values don't take into account rounding mode		11.0.0
894	CrystaX NDK	Bug	Open	Device test 'math' fails on x86_64 when built with clang		11.0.0
1400	CrystaX NDK	Task	Open	Distribute prebuilt 'adb' binary within NDK	Dmitry Moskalchuk	11.0.0
442	CrystaX NDK	Feature	Open	D language	Alexander Zhukov	11.1.0
1046	CrystaX NDK	Bug	Open	dlopen failed: unknown reloc type 160 @ 0x40294d8c (9)	Dmitry Moskalchuk	11.0.0
1702	CrystaX NDK	Bug	Open	endian.h doesn't define htonl/ntohl	Dmitry Moskalchuk	11.0.0
756	CrystaX NDK	Task	Open	Enforce proper definition of __warn_references in sys/cdefs.h	Dmitry Moskalchuk	11.0.0
1414	CrystaX NDK	Task	Open	exec should properly handle '#!/usr/bin/env' shebangs	Dmitry Moskalchuk	11.0.0
1111	CrystaX NDK	Support	Open	execv: Exec format error		
1386	CrystaX NDK	Bug	Open	Find third-party code for device/test-shaderc-gnustl		11.0.0
1387	CrystaX NDK	Bug	Open	Find third-party code for device/test-shaderc-libc++		11.0.0
1388	CrystaX NDK	Bug	Open	Find third-party code for device/test-vulkan		11.0.0
977	CrystaX NDK	Task	Open	Fix and enable test-gnustl-full case	Dmitry Moskalchuk	11.0.0
978	CrystaX NDK	Task	Open	Fix and enable test-libc++-shared-full case	Dmitry Moskalchuk	11.0.0
979	CrystaX NDK	Task	Open	Fix and enable test-libc++-static-full case	Dmitry Moskalchuk	11.0.0
1467	CrystaX NDK	Bug	Open	Full static executables are unsupported right now due to lack of dlopen() in static libcrystax	Dmitry Moskalchuk	11.0.0
2375	CrystaX NDK	Bug	Open	function sync_range_buffer absent	Dmitry Moskalchuk	
1293	CrystaX NDK	Bug	Open	[gcc-6] GOT_PREL optimization doesn't work in gcc-6	Dmitry Moskalchuk	11.0.0
902	CrystaX NDK	Bug	Open	gem install does not work when ruby built with platform/prebuilts/gcc/darwin-x86/host/x86_64-apple-darwin-4.9.1 compiler		
937	CrystaX NDK	Task	Open	Generate proper docs/Change_Log.html pointing to real changes	Dmitry Moskalchuk	11.0.0
1431	CrystaX NDK	Bug	Open	getaddrinfo() can't resolve 'localhost' on Verizon-flavored Samsung Galaxy S6	Dmitry Moskalchuk	11.0.0
1020	CrystaX NDK	Bug	Open	getauxval fails to open /proc/pid/auxv file		
1401	CrystaX NDK	Task	Open	Get rid of 'armeabi' and make 'armeabi-v7a' default ABI	Dmitry Moskalchuk	11.0.0
1135	CrystaX NDK	Bug	Open	Handle locked by flockfile() remain locked in child process (after fork())	Dmitry Moskalchuk	11.0.0

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820	CrystaX NDK	Bug	Open	Hex rounding of floating point values works wrong for ARM soft float		11.0.0
1182	CrystaX NDK	Bug	Open	Homebrew warns about several files when installing crystax-ndk	Dmitry Moskalchuk	11.0.0
881	CrystaX NDK	Task	Open	Hook getenv and handle TMPDIR, TMP, TEMPDIR, TEMP properly	Dmitry Moskalchuk	11.0.0
2609	CrystaX NDK	Bug	Done	host/curl built with libbind2 from /usr/local/opt on darwin host	Alexander Zhukov	11.0.0
2131	CrystaX NDK	Bug	Open	How to add others lib to python in CrystaX NDK?	Dmitry Moskalchuk	11.0.0
1398	CrystaX NDK	Task	Open	[iconv] Implement proper ESDB loading	Dmitry Moskalchuk	11.0.0
1145	CrystaX NDK	Task	Open	Implement aio POSIX API	Dmitry Moskalchuk	
1164	CrystaX NDK	Task	Open	Implement getprotobyname(), getprotobynumber(), getnetbyname() and getnetbyaddr()	Dmitry Moskalchuk	11.0.0
985	CrystaX NDK	Task	Open	Implement "glob" and "globfree" functions	Dmitry Moskalchuk	11.0.0
1133	CrystaX NDK	Task	Open	Implement mq_xxx() POSIX API	Dmitry Moskalchuk	
1088	CrystaX NDK	Task	Open	Implement objc_msgSend() for aarch64/mips/mips64	Dmitry Moskalchuk	11.0.0
885	CrystaX NDK	Task	Open	Implement own function to be able fetch "getprop" values from system		11.0.0
1095	CrystaX NDK	Task	In Progress	Implement package management system (crew)	Alexander Zhukov	11.0.0
82	CrystaX NDK	Task	Open	Implement plugin system for VFS in libcrystax		
1158	CrystaX NDK	Bug	Open	Implement psiginfo() and psignal()	Dmitry Moskalchuk	
1148	CrystaX NDK	Task	Open	Implement pthread_attr_setinheritsched()	Dmitry Moskalchuk	
1147	CrystaX NDK	Task	Open	Implement pthread_barrier_xxx API	Dmitry Moskalchuk	
1114	CrystaX NDK	Task	Open	Implement pthread_cancel()	Dmitry Moskalchuk	
1153	CrystaX NDK	Task	Open	Implement pthread_mutexattr_getprotocol()	Dmitry Moskalchuk	
1152	CrystaX NDK	Task	Open	Implement pthread_mutex_getprioceiling()	Dmitry Moskalchuk	
1127	CrystaX NDK	Task	Open	Implement pthread_setschedprio()	Dmitry Moskalchuk	
1154	CrystaX NDK	Task	Open	Implement pthread_spin_xxx API	Dmitry Moskalchuk	
1140	CrystaX NDK	Task	Open	Implement realtime signals	Dmitry Moskalchuk	
1134	CrystaX NDK	Task	Open	Implement sem_open() and sem_unlink()	Dmitry Moskalchuk	
1132	CrystaX NDK	Task	Open	Implement shm_open() and shm_unlink()	Dmitry Moskalchuk	
1136	CrystaX NDK	Task	Open	Implement sigpause(), sigignore(), sigset(), sighold(), sigrelse()	Dmitry Moskalchuk	
1139	CrystaX NDK	Task	Open	Implement sigqueue()	Dmitry Moskalchuk	
2608	CrystaX NDK	Bug	Open	In-box tests fail to run on CI servers because of existing VMs		11.0.0
1390	CrystaX NDK	Bug	Open	Investigate new build/standalone-toolchain		11.0.0
1389	CrystaX NDK	Bug	Open	Investigate new test device/asan-smoke		11.0.0
1433	CrystaX NDK	Bug	Open	kevent has problems on arm64		11.0.0
1526	CrystaX NDK	Bug	Open	libboost_python.so not linked properly with libpython2.7.so	Dmitry Moskalchuk	11.0.0

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1471	CrystaX NDK	Bug	In Progress	LibCoreFoundation crash	Dmitry Moskalchuk	11.0.0
2490	CrystaX NDK	Bug	Open	libm.so not found		11.0.0
1449	CrystaX NDK	Bug	Open	libobj2 weak reference issue	Dmitry Moskalchuk	11.0.0
2366	CrystaX NDK	Bug	Open	library "libcristax.so" not found		
1391	CrystaX NDK	Task	Open	LLVM libc++ directories layout should reflect the same as in Google's NDK	Dmitry Moskalchuk	11.0.0
830	CrystaX NDK	Bug	Open	long double print formatting broken on x86_64 when being built by clang		11.0.0
988	CrystaX NDK	Task	Open	Make clang3.7 default toolchain when building Objective-C sources	Dmitry Moskalchuk	11.0.0
1701	CrystaX NDK	Bug	Open	MIN/MAX Macros in stdio.h cause duplicate definitions	Dmitry Moskalchuk	11.0.0
1087	CrystaX NDK	Bug	Open	[mips][gcc-5][windows] ICE when building C++ code	Dmitry Moskalchuk	11.0.0
1203	CrystaX NDK	Bug	Open	[objc] Crash on debug, when calling 'po' gdb command	Dmitry Moskalchuk	11.0.0
1080	CrystaX NDK	Bug	Open	Objective-C float literals are converted into zero values	Dmitry Moskalchuk	11.0.0
1536	CrystaX NDK	Bug	Open	Objective-C + light generics = bug	Dmitry Moskalchuk	11.0.0
1178	CrystaX NDK	Bug	Open	Prebuilt libboost_python.so is not compiled with Python 2.7	Dmitry Moskalchuk	11.0.0
818	CrystaX NDK	Bug	Open	printf(FMT, [+-]HUGE_VALL) produce wrong result on 32-bit platforms		11.0.0
815	CrystaX NDK	Bug	Open	printf("%tu", (size_t)-1) produce wrong string on 32-bit platforms		11.0.0
1195	CrystaX NDK	Task	Open	Provide 'epoll_create1' and 'EPOLL_CLOEXEC' definitions and declarations in system headers	Dmitry Moskalchuk	11.0.0
917	CrystaX NDK	Feature	Open	Provide Maven repository with AAR packages of prebuilt libraries	Dmitry Moskalchuk	
983	CrystaX NDK	Bug	Open	pthread_attr_getscope() return garbage as "scope"	Dmitry Moskalchuk	11.0.0
1112	CrystaX NDK	Bug	Open	pthread_attr_setschedpolicy() always return 0, even if wrong parameters were passed	Dmitry Moskalchuk	11.0.0
1149	CrystaX NDK	Bug	Open	pthread_attr_setstack() failed	Dmitry Moskalchuk	
1115	CrystaX NDK	Bug	Open	pthread_condattr_getclock() not defined for API levels < 21	Dmitry Moskalchuk	11.0.0
1116	CrystaX NDK	Bug	Open	pthread_condattr_setclock() not defined	Dmitry Moskalchuk	11.0.0
980	CrystaX NDK	Bug	Open	pthread_create() cause crash if destroyed pthread_attr_t passed	Dmitry Moskalchuk	11.0.0
1150	CrystaX NDK	Bug	Open	pthread_exit() on last thread cause process exit with non-zero status	Dmitry Moskalchuk	
1151	CrystaX NDK	Bug	Open	pthread_kill() deliver signal to wrong thread	Dmitry Moskalchuk	
1117	CrystaX NDK	Bug	Open	pthread_mutex_trylock(): Resource deadlock would occur	Dmitry Moskalchuk	11.0.0
1125	CrystaX NDK	Bug	Open	pthread_rwlock_destroy() on locked rwlock return EBUSY	Dmitry Moskalchuk	11.0.0
1119	CrystaX NDK	Bug	Open	pthread_rwlock_rdlock() can't acquire lock on thread with high priority	Dmitry Moskalchuk	
1120	CrystaX NDK	Bug	Open	pthread_rwlock_timedrdlock() failed	Dmitry Moskalchuk	
1121	CrystaX NDK	Bug	Open	pthread_rwlock_timedwrlock() failed	Dmitry Moskalchuk	
1123	CrystaX NDK	Bug	Open	pthread_rwlock: wrong order on acquiring lock	Dmitry Moskalchuk	
949	CrystaX NDK	Task	Open	Rebuild renderscript binaries from AOSP sources		

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899	CrystaX NDK	Feature	Open	Repository for prebuild libraries		
1142	CrystaX NDK	Bug	Open	Return from sigsuspend() when receiving SIGABRT	Dmitry Moskalchuk	
1185	CrystaX NDK	Task	Open	Run CPython tests on Android	Dmitry Moskalchuk	11.0.0
68	CrystaX NDK	Feature	Open	Run gcc testsuites after build		
1155	CrystaX NDK	Bug	Open	sched_setscheduler() allow to set invalid policy	Dmitry Moskalchuk	
1138	CrystaX NDK	Bug	Open	sem_init() works for more than _SC_SEM_NSEMS_MAX semaphores	Dmitry Moskalchuk	
932	CrystaX NDK	Bug	Open	Several math tests are not passed	Dmitry Moskalchuk	11.0.0
1440	CrystaX NDK	Bug	Open	SIGSEGV at libCoreFoundation.so	Dmitry Moskalchuk	11.0.0
1550	CrystaX NDK	Bug	Open	SIGSEGV error when using OpenCV4Android	Dmitry Moskalchuk	11.0.0
1442	CrystaX NDK	Bug	Open	SIGSEGV in libCoreFoundation	Dmitry Moskalchuk	11.0.0
2300	CrystaX NDK	Bug	Open	SIGSEGV in libcrystax.so - fegetenv+7		11.0.0
1704	CrystaX NDK	Bug	Open	SIGSEV in libcrystax on x86	Dmitry Moskalchuk	11.0.0
1033	CrystaX NDK	Bug	Open	Sporadic fail of crystax-test-libkqueue	Dmitry Moskalchuk	11.0.0
829	CrystaX NDK	Bug	Open	sscanf(" 0X.0123456789abcdeffp-3g", "%Le%s", &ld, buf) return wrong result on x86_64 when being built by clang		11.0.0
827	CrystaX NDK	Bug	Open	sscanf("+1.234568e-52", "%LG", &ld) return wrong value on x86_64 when being built by clang		11.0.0
828	CrystaX NDK	Bug	Open	sscanf("3.14159265358979323846", "%Lg", &ld) return wrong value on x86_64 when being built by clang		11.0.0
821	CrystaX NDK	Bug	Open	sscanf("nan(1234)", "%e", &f) return non-NaN on mips device		11.0.0
826	CrystaX NDK	Bug	Open	sscanf("NaN", "%e", &f) return non-NaN on arm and x86_64 when being built by clang		11.0.0
1340	CrystaX NDK	Bug	Open	stdint.h doesn't define set of macros for C++ if __STDC_LIMIT_MACROS and __STDC_CONSTANT_MACROS were not defined	Dmitry Moskalchuk	11.0.0
1031	CrystaX NDK	Bug	Open	Test crystax-test-pthread_workqueue failed	Dmitry Moskalchuk	11.0.0
696	CrystaX NDK	Bug	Open	[tests] Build of tests/build/flto failed when built by clang		11.0.0
770	CrystaX NDK	Bug	Open	tests/device/crazy_linker failed		11.0.0
1434	CrystaX NDK	Bug	Open	Thread created with pthread_create can't use JNI anymore	Dmitry Moskalchuk	11.0.0
2432	CrystaX NDK	Bug	Open	timegm is in header file but not library		11.0.0
1703	CrystaX NDK	Bug	Open	Unused static functions in `cpu-features.cc`	Dmitry Moskalchuk	11.0.0
1537	CrystaX NDK	Task	Open	Update Boost to 1.62.0	Dmitry Moskalchuk	11.0.0
1038	CrystaX NDK	Task	Open	Upgrade gdb to 7.10	Dmitry Moskalchuk	11.0.0
1083	CrystaX NDK	Task	Open	Use blocks runtime implementation from GNUstep libobjc2	Dmitry Moskalchuk	11.0.0
1371	CrystaX NDK	Feature	Open	Use common {setup,config}.mk files for GCC and LLVM toolchains with different versions	Alexander Zhukov	11.0.0
1177	CrystaX NDK	Task	Open	Use proper libc++abi, depending on libc++ versions	Dmitry Moskalchuk	11.0.0
1043	CrystaX NDK	Bug	Open	WARNING: libobjc.so has text relocations	Dmitry Moskalchuk	11.0.0

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1144	CrystaX NDK	Bug	Open	Writing into protected memory cause SIGSTOP instead of SIGSEGV	Dmitry Moskalchuk	
1141	CrystaX NDK	Bug	Open	Wrong behaviour of sigaltstack()	Dmitry Moskalchuk	
1499	CrystaX NDK	Bug	In Progress	[x86] Crash on unwinding stack when throwing C++/Objective-C exception	Dmitry Moskalchuk	11.0.0