CrystaX NDK - 11.0.0 tickets

#	Project	Tracker	Status	Subject	Assignee
Urgent (1)					
1443	CrystaX NDK	Bug	Closed	Public build script ndk-crystax-r10-build.sh is not updated to 10.3.1 version	Dmitry M.
High (42)					
1095	CrystaX NDK	Task	In Progress	Implement package management system (crew)	Alexander Z.
1165	CrystaX NDK	Task	Closed	Get rid of libc.so and replace it completely by libcrystax.so	Dmitry M.
1191	CrystaX NDK	Task	Closed	Include just released Boost 1.60.0	Dmitry M.
1198	CrystaX NDK	Task	Closed	Upgrade clang-3.7 to just released 3.7.1	Dmitry M.
1231	CrystaX NDK	Task	Closed	Adopt android.toolchain.cmake to support CrystaX NDK	Dmitry M.
1254	CrystaX NDK	Task	Closed	Add CMake-enabled tests	Dmitry M.
1260	CrystaX NDK	Task	Closed	[build/tools] Switch DEFAULT_LLVM_VERSION to 3.7 and DEFAULT_GCC_VERSION to 5	Dmitry M.
1318	CrystaX NDK	Task	Closed	Add just released clang-3.8	Dmitry M.
1348	CrystaX NDK	Task	Closed	Get rid of 32-bit host toolchains for GNU/Linux and OS X	Alexander Z.
1354	CrystaX NDK	Task	Closed	Integrate stock python2.7 and python3.5 in host prebuilts	Dmitry M.
1375	CrystaX NDK	Task	Closed	Update gcc-6 to just released gcc-6.1	Dmitry M.
1410	CrystaX NDK	Task	Closed	Update gcc-5 to just released gcc-5.4	Dmitry M.
1422	CrystaX NDK	Task	Closed	Implement shmget/shmat/shmdt/shmctl functions	Dmitry M.
1435	CrystaX NDK	Task	Closed	Update llvm/clang to just released 3.8.1	Dmitry M.
1444	CrystaX NDK	Task	Closed	run-boost-tests should specify <target-os>android for "using python" directive in user-config.jam	Dmitry M.
1460	CrystaX NDK	Task	Closed	Update gcc-4.9 to just released gcc-4.9.4	Dmitry M.
1465	CrystaX NDK	Task	Closed	Redirect all stdout/stderr output to logcat	Dmitry M.
1495	CrystaX NDK	Task	Closed	Upgrade gcc-6 to just released 6.2	Dmitry M.
1032	CrystaX NDK	Bug	Closed	[tests] test-openmp failed when running on real device	Dmitry M.
1044	CrystaX NDK	Bug	Closed	Assertion failed: (LC != RTLIB::UNKNOWN_LIBCALL && "Unsupported FP_TO_UINT!")	Dmitry M.
1055	CrystaX NDK	Bug	Closed	[objc] Throwing of exception cause app crash even though there is @catch expression	Dmitry M.
1082	CrystaX NDK	Bug	Closed	'__gnustep_objcxx_personality_v0' is not implemented for arm	Dmitry M.
1108	CrystaX NDK	Bug	Closed	Crash on Android 6.0	Dmitry M.
1197	CrystaX NDK	Bug	Closed	Boost's Android.mk can't detect correct libraries path if NDK_TOOLCHAIN_VERSION is not specified	Dmitry M.
1233	CrystaX NDK	Bug	Closed	Even though default gcc is 5, gnu-libstdc++-4.9 used	Dmitry M.
1234	CrystaX NDK	Bug	Closed	'fd_set' type not declared	Dmitry M.
1262	CrystaX NDK	Bug	Closed	[objc] Tests starts failing after switch libobjc2 to upstream CMake-based build approach	Dmitry M.
1263	CrystaX NDK	Bug	Closed	[clang][atomics] Clang can't compile call of __atomic_add_fetch with 64-bit argument for 32-bit targets	Dmitry M.

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1292	CrystaX NDK	Bug	Closed	[gcc-6] ICE when building test-gabi++	Dmitry M.
1352	CrystaX NDK	Bug	Closed	[darwin] GNUstep libobjc2 is built with SONAME "libobjc.so.4.6"	Dmitry M.
1357	CrystaX NDK	Bug	Closed	[darwin] 64-bit host python doesn't include zip module	Dmitry M.
1360	CrystaX NDK	Bug	Closed	CRYSTAX_PANI: issetugid() not implemented!!! when calling boost::locale::conv::to_utf (10.3.1)	Dmitry M.
1363	CrystaX NDK	Bug	Closed	[clang-3.8][x86_64] Do not know how to soften this operator's operand!	Dmitry M.
1369	CrystaX NDK	Bug	Closed	SIGSEGV in libcrystax.so - lrintf	Dmitry M.
1370	CrystaX NDK	Bug	Closed	[clang-3.8] Unknown DWARF version	Dmitry M.
1396	CrystaX NDK	Bug	Closed	Syntax error in make-standalone-toolchain.sh in 10.3.1-b845-linux-x86_64	Dmitry M.
1397	CrystaX NDK	Bug	Closed	arm gcc-6 make-standalone-toolchain.sh in 10.3.1-b845-linux-x86_64 fails to copy some libs	Dmitry M.
1399	CrystaX NDK	Bug	Closed	gmtime() return NULL pointer in field tm_zone	Dmitry M.
1404	CrystaX NDK	Bug	Closed	Unable to make standalone toolchain based on clang (r859) / --help is not consistant	Alexander Z.
1413	CrystaX NDK	Bug	Closed	'rm' from GNU coreutils can't remove existing file without '-f' option	Dmitry M.
1436	CrystaX NDK	Bug	Closed	gethostname() always returns 'localhost'	Dmitry M.
1466	CrystaX NDK	Bug	Closed	Can't load libcrystax.so with System.loadLibrary()	Dmitry M.

Normal (50)

#	Project	Tracker	Status	Subject	Assignee
1323	CrystaX NDK	Feature	Closed	Include Python static libraries to build Python-C extensions with static linking	Vitaly M.
1371	CrystaX NDK	Feature	Open	Use common {setup,config}.mk files for GCC and LLVM toolchains with different versions	Alexander Z.
885	CrystaX NDK	Task	Open	Implement own function to be able fetch "getprop" values from system	
886	CrystaX NDK	Task	Closed	Implement pthread_xxx() functions in libcrystax	Dmitry M.
970	CrystaX NDK	Task	Closed	Add tests for pthread_xxx() functions	Dmitry M.
1028	CrystaX NDK	Task	Closed	Remove pthread_rwlock workaround from libkqueue	Dmitry M.
1193	CrystaX NDK	Task	Closed	Build Boost.Python with both python-2.7 and python-3.5	Dmitry M.
1241	CrystaX NDK	Task	Closed	Update python-2.7 to 2.7.11	Dmitry M.
1242	CrystaX NDK	Task	Closed	Update python-3.5 to 3.5.1	Dmitry M.
1412	CrystaX NDK	Task	Closed	Update Boost to 1.61.0	Dmitry M.
696	CrystaX NDK	Bug	Open	[tests] Build of tests/build/flto failed when built by clang	
757	CrystaX NDK	Bug	Closed	tests/device/test-wait fails on x86 device	Dmitry M.
770	CrystaX NDK	Bug	Open	tests/device/crazy_linker failed	
815	CrystaX NDK	Bug	Open	printf("%tu", (size_t)-1) produce wrong string on 32-bit platforms	
817	CrystaX NDK	Bug	Closed	printf("%LE", (long double)NAN) produce wrong result on 32-bit platforms	
818	CrystaX NDK	Bug	Open	printf(FMT, [+/-]HUGE_VALL) produce wrong result on 32-bit platforms	
819	CrystaX NDK	Bug	Open	Decimal rounding of floating point values don't take into account rounding mode	

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820	CrystaX NDK	Bug	Open	Hex rounding of floating point values works wrong for ARM soft float	
821	CrystaX NDK	Bug	Open	sscanf("nan(1234)", "%e", &f) return non-NaN on mips device	
824	CrystaX NDK	Bug	Closed	clang doesn't support NEON for x86	Alexander Z.
826	CrystaX NDK	Bug	Open	sscanf("NaN", "%e", &f) return non-NaN on arm and x86_64 when being built by clang	
827	CrystaX NDK	Bug	Open	sscanf("+1.234568e-52", "%LG", &ld) return wrong value on x86_64 when being built by clang	
828	CrystaX NDK	Bug	Open	sscanf("3.14159265358979323846", "%Lg", &ld) return wrong value on x86_64 when being built by clang	
829	CrystaX NDK	Bug	Open	sscanf(" 0X.0123456789abcdefffp-3g", "%Le%s", &ld, buf) return wrong result on x86_64 when being built by clang	
830	CrystaX NDK	Bug	Open	long double print formatting broken on x86_64 when being built by clang	
888	CrystaX NDK	Bug	Closed	crystax-test-c99-complex core dumps on x86_64 emulator if built with clang toolchain	
889	CrystaX NDK	Bug	Open	crystax-test-c++11 fails on x86_64 emulator if build with clang toolchain	
894	CrystaX NDK	Bug	Open	Device test 'math' fails on x86_64 when built with clang	
1010	CrystaX NDK	Bug	Closed	[clang] Thread-local variables are not supported	Dmitry M.
1252	CrystaX NDK	Bug	Closed	"Undefined reference to 'swab'" error when using GCC 5 and CrystaX NDK 10.3.1 x64 on Windows	Dmitry M.
1327	CrystaX NDK	Bug	Closed	Couldn't compile test boost sample with CrystaX 10.3.1.	Dmitry M.
1380	CrystaX NDK	Bug	Duplicated	SIGSEGV in libcrystax.so - lrint	Dmitry M.
1386	CrystaX NDK	Bug	Open	Find third-party code for device/test-shaderc-gnustl	
1387	CrystaX NDK	Bug	Open	Find third-party code for device/test-shaderc-libc++	
1388	CrystaX NDK	Bug	Open	Find third-party code for device/test-vulkan	
1389	CrystaX NDK	Bug	Open	Investigate new test device/asan-smoke	
1390	CrystaX NDK	Bug	Open	Investigate new build/standalone-toolchain	
1405	CrystaX NDK	Bug	Closed	Make standalone toolchain is broken for gcc (r859)	Alexander Z.
1433	CrystaX NDK	Bug	Open	kevent has problems on arm64	
1448	CrystaX NDK	Bug	Closed	Rand doesn't have arguments specified in a header	Dmitry M.
1457	CrystaX NDK	Bug	Closed	mclinker build error	Alexander Z.
1486	CrystaX NDK	Bug	Closed	Python executables are not PIE-enabled	Vitaly M.
1716	CrystaX NDK	Bug	Duplicated	crash: stackoverflow: lrintf	
1965	CrystaX NDK	Bug	Open	bzip2 symbols like `BZ2_bzWriteOpen` are not present in `libcrystax`	
2300	CrystaX NDK	Bug	Open	SIGSEGV in libcrystax.so - fegetenv+7	
2432	CrystaX NDK	Bug	Open	timegm is in header file but not library	
2490	CrystaX NDK	Bug	Open	libm.so not found	
2607	CrystaX NDK	Bug	Resolved	crew install command outputs bad error message when formula has a non-existing dependency	Alexander Z.
2608	CrystaX NDK	Bug	Open	In-box tests fail to run on CI servers because of existing VMs	
2609	CrystaX NDK	Bug	Resolved	host/curl built with libdind2 from /usr/local/opt on darwin host	Alexander Z.