

## CrystaX NDK - Bug #948

### HelloComputeNDK build is broken on Windows

05/13/2015 05:22 PM - Dmitry Moskalchuk

<b>Status:</b>	Closed	<b>Start date:</b>	05/13/2015
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Alexander Zhukov	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	10.2.0	<b>Android version:</b>	
<b>CPU Architecture:</b>		<b>CrystaX Version:</b>	
<b>Host OS:</b>	Windows		
<b>Toolchain:</b>			

#### Description

2015-05-12 16:14:14.543 UTC: BLD sample [HelloComputeNDK] gcc4.9

2015-05-12 16:14:14.685 UTC: ## COMMAND: C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/ndk-build.cmd -B -j4 V=1 APP\_PIE=false

2015-05-12 16:14:14.685 UTC: ## CWD: c:/tmp/ndk-tests-windows8.1-x86\_64/gcc4.9/samples/HelloComputeNDK/target

2015-05-12 16:14:15.117 UTC: > Android NDK: WARNING: APP\_PLATFORM android-19 is larger than android:minSdkVersion 14 in ./AndroidManifest.xml

2015-05-12 16:14:15.294 UTC: > md "obj\local\armeabi-v7a" >NUL 2>NUL || rem

2015-05-12 16:14:15.308 UTC: > md "libs\armeabi-v7a" >NUL 2>NUL || rem

2015-05-12 16:14:15.355 UTC: > md "obj\local\armeabi-v7a\objs\hellocomputendk" >NUL 2>NUL || rem

2015-05-12 16:14:15.386 UTC: > md

"C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/sources/cxx-stl\stlport\libs\armeabi-v7a\thumb" >NUL 2>NUL || rem

2015-05-12 16:14:15.417 UTC: > md "obj\local\x86" >NUL 2>NUL || rem

2015-05-12 16:14:15.417 UTC: > md "libs\x86" >NUL 2>NUL || rem

2015-05-12 16:14:15.417 UTC: > [armeabi-v7a] Compile RS : hellocomputendk <= mono.rs

2015-05-12 16:14:15.433 UTC: > cd jni/ &&

C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/toolchains/renderscript/prebuilt/windows-x86\_64/bin/llvm-rs-cc -o c:/tmp/ndk-tests-windows8.1-x86\_64/gcc4.9/samples/HelloComputeNDK/target/obj/local/armeabi-v7a/objs/hellocomputendk/ -d c:/tmp/ndk-tests-windows8.1-x86\_64/gcc4.9/samples/HelloComputeNDK/target/obj/local/armeabi-v7a/objs/hellocomputendk -MD -reflect-c++ -target-api 19

-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/toolchains/renderscript/prebuilt/windows-x86\_64/lib/clang/3.5/include -IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/platforms/android-19/arch-arm/usr/include/rs/scriptc -ljni -Wall -Werror -m32 mono.rs

2015-05-12 16:14:15.448 UTC: > [x86] Compile RS : hellocomputendk <= mono.rs

2015-05-12 16:14:15.464 UTC: > md "obj\local\x86\objs\hellocomputendk" >NUL 2>NUL || rem

2015-05-12 16:14:15.464 UTC: > md

"C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/sources/cxx-stl\stlport\libs\x86" >NUL 2>NUL || rem

2015-05-12 16:14:15.480 UTC: > cd jni/ &&

C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/toolchains/renderscript/prebuilt/windows-x86\_64/bin/llvm-rs-cc -o c:/tmp/ndk-tests-windows8.1-x86\_64/gcc4.9/samples/HelloComputeNDK/target/obj/local/x86/objs/hellocomputendk/ -d c:/tmp/ndk-tests-windows8.1-x86\_64/gcc4.9/samples/HelloComputeNDK/target/obj/local/x86/objs/hellocomputendk -MD -reflect-c++ -target-api 19

-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/toolchains/renderscript/prebuilt/windows-x86\_64/lib/clang/3.5/include -IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/platforms/android-19/arch-x86/usr/include/rs/scriptc -ljni -Wall -Werror -m32 mono.rs

2015-05-12 16:14:15.495 UTC: > md "obj\local\mips" >NUL 2>NUL || rem

2015-05-12 16:14:15.526 UTC: > md "libs\mips" >NUL 2>NUL || rem

2015-05-12 16:14:15.558 UTC: > md "obj\local\mips\objs\hellocomputendk" >NUL 2>NUL || rem

2015-05-12 16:14:15.621 UTC: > [mips] Compile RS : hellocomputendk <= mono.rs

2015-05-12 16:14:15.651 UTC: > cd jni/ &&

C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/toolchains/renderscript/prebuilt/windows-x86\_64/bin/llvm-rs-cc -o c:/tmp/ndk-tests-windows8.1-x86\_64/gcc4.9/samples/HelloComputeNDK/target/obj/local/mips/objs/hellocomputendk/ -d c:/tmp/ndk-tests-windows8.1-x86\_64/gcc4.9/samples/HelloComputeNDK/target/obj/local/mips/objs/hellocomputendk -MD -reflect-c++ -target-api 19

-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/toolchains/renderscript/prebuilt/windows-x86\_64/lib/clang/3.5/include -IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86\_64/platforms/android-19/arch-mips/usr/include/rs/scriptc -ljni

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-Wall -Werror -m32 mono.rs
2015-05-12 16:14:15.667 UTC: > md
"C:\tmp\crystaxndk-ndk\crystax-ndk-10.1.0-b536-windows-x86_64\sources\cxx-stl\stlport\libs\mips" >NUL 2>NUL || rem
2015-05-12 16:14:15.714 UTC: > [armeabi-v7a] Prebuilt : libRSSupport.so <= /platforms/android-19/arch-arm/usr/lib/rs/
2015-05-12 16:14:15.765 UTC: > copy /b/y
"C:\tmp\crystaxndk-ndk\crystax-ndk-10.1.0-b536-windows-x86_64\platforms\android-19\arch-arm\usr\lib\rs\libRSSupport.so"
"obj\local\armeabi-v7a\libRSSupport.so" > NUL
2015-05-12 16:14:15.813 UTC: > [x86] Prebuilt : libRSSupport.so <= /platforms/android-19/arch-x86/usr/lib/rs/
2015-05-12 16:14:15.840 UTC: > copy /b/y
"C:\tmp\crystaxndk-ndk\crystax-ndk-10.1.0-b536-windows-x86_64\platforms\android-19\arch-x86\usr\lib\rs\libRSSupport.so"
"obj\local\x86\libRSSupport.so" > NUL
2015-05-12 16:14:15.933 UTC: > [mips] Prebuilt : libRSSupport.so <= /platforms/android-19/arch-mips/usr/lib/rs/
2015-05-12 16:14:15.948 UTC: > copy /b/y
"C:\tmp\crystaxndk-ndk\crystax-ndk-10.1.0-b536-windows-x86_64\platforms\android-19\arch-mips\usr\lib\rs\libRSSupport.so"
"obj\local\mips\libRSSupport.so" > NUL
2015-05-12 16:14:16.028 UTC: > [armeabi-v7a] Install : libcrystax.so => libs/armeabi-v7a/libcrystax.so
2015-05-12 16:14:16.042 UTC: > copy /b/y
"C:\tmp\crystaxndk-ndk\crystax-ndk-10.1.0-b536-windows-x86_64\sources\crystax\libs\armeabi-v7a\thumb\libcrystax.so"
"libs\armeabi-v7a\libcrystax.so" > NUL
2015-05-12 16:14:16.136 UTC: >
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/arm-linux-androideabi-4.9/prebuilt/windows-x86_64/bin/
arm-linux-androideabi-strip --strip-unneeded libs/armeabi-v7a/libcrystax.so
2015-05-12 16:14:16.417 UTC: > [x86] Install : libcrystax.so => libs/x86/libcrystax.so
2015-05-12 16:14:16.448 UTC: > copy /b/y
"C:\tmp\crystaxndk-ndk\crystax-ndk-10.1.0-b536-windows-x86_64\sources\crystax\libs\x86\libcrystax.so" "libs\x86\libcrystax.so" >
NUL
2015-05-12 16:14:16.558 UTC: >
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/x86-4.9/prebuilt/windows-x86_64/bin/i686-linux-android-
strip --strip-unneeded libs/x86/libcrystax.so
2015-05-12 16:14:16.776 UTC: > [mips] Install : libcrystax.so => libs/mips/libcrystax.so
2015-05-12 16:14:16.809 UTC: > copy /b/y
"C:\tmp\crystaxndk-ndk\crystax-ndk-10.1.0-b536-windows-x86_64\sources\crystax\libs\mips\libcrystax.so" "libs\mips\libcrystax.so" >
NUL
2015-05-12 16:14:16.933 UTC: >
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/mipsel-linux-android-4.9/prebuilt/windows-x86_64/bin/mi
psel-linux-android-strip --strip-unneeded libs/mips/libcrystax.so
2015-05-12 16:14:17.198 UTC: > [armeabi-v7a] Install : libRSSupport.so => libs/armeabi-v7a/libRSSupport.so
2015-05-12 16:14:17.761 UTC: > copy /b/y ".\obj\local\armeabi-v7a\libRSSupport.so" ".\libs\armeabi-v7a\libRSSupport.so" > NUL
2015-05-12 16:14:17.793 UTC: >
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/arm-linux-androideabi-4.9/prebuilt/windows-x86_64/bin/
arm-linux-androideabi-strip --strip-unneeded ./libs/armeabi-v7a/libRSSupport.so
2015-05-12 16:14:17.808 UTC: > [x86] Install : libRSSupport.so => libs/x86/libRSSupport.so
2015-05-12 16:14:17.839 UTC: > copy /b/y ".\obj\local\x86\libRSSupport.so" ".\libs\x86\libRSSupport.so" > NUL
2015-05-12 16:14:17.871 UTC: >
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/x86-4.9/prebuilt/windows-x86_64/bin/i686-linux-android-
strip --strip-unneeded ./libs/x86/libRSSupport.so
2015-05-12 16:14:17.886 UTC: > [mips] Install : libRSSupport.so => libs/mips/libRSSupport.so
2015-05-12 16:14:17.886 UTC: > copy /b/y ".\obj\local\mips\libRSSupport.so" ".\libs\mips\libRSSupport.so" > NUL
2015-05-12 16:14:17.902 UTC: >
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/mipsel-linux-android-4.9/prebuilt/windows-x86_64/bin/mi
psel-linux-android-strip --strip-unneeded ./libs/mips/libRSSupport.so
2015-05-12 16:14:19.776 UTC: * make.exe: *** [obj/local/x86/objs/hellocomputendk/mono.o] Error -1073741819
2015-05-12 16:14:19.809 UTC: * make.exe: *** Waiting for unfinished jobs....
2015-05-12 16:14:19.870 UTC: >
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/renderscript/prebuilt/windows-x86_64/bin/bcc_compat
-O3 -o ./obj/local/armeabi-v7a/objs/hellocomputendk/mono.bc.o -fPIC -shared -rt-path
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-arm/usr/lib/rs/libclcore.bc -mtriple
armv7-none-linux-gnueabi ./obj/local/armeabi-v7a/objs/hellocomputendk/mono.bc &&
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/arm-linux-androideabi-4.9/prebuilt/windows-x86_64/bin/
arm-linux-androideabi-g++ -shared -Wl,-soname,libs.mono.so -nostdlib ./obj/local/armeabi-v7a/objs/hellocomputendk/mono.bc.o
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-arm/usr/lib/rs/libcompiler_rt.a -o
./libs/armeabi-v7a/libs.mono.so -L
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-arm/usr/lib -L
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-arm/usr/lib/rs -no-canonical-prefixes
-march=armv7-a -Wl,--fix-cortex-a8 -lRSSupport -lm -lc &&
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/arm-linux-androideabi-4.9/prebuilt/windows-x86_64/bin/
arm-linux-androideabi-g++ -MMD -MP -MF ./obj/local/armeabi-v7a/objs/hellocomputendk/mono.o.d -fPIC -function-sections

```

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-funwind-tables -fstack-protector-strong -no-canonical-prefixes -march=armv7-a -mcpu=vfpv3-d16 -mfloat-abi=softfp -fno-exceptions
-fno-rtti -mthumb -Os -g -DNDEBUG -fomit-frame-pointer -fno-strict-aliasing -finline-limit=64
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-arm/usr/include/rs/cpp
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-arm/usr/include/rs
-l./obj/local/armeabi-v7a/objs/hellocomputendk
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/sources/cxx-stl/stlport/stlport
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/sources/cxx-stl/gabi++/include -ljni -DANDROID
-Wa,--noexecstack -Wformat -Werror=format-security -frtti -std=gnu++11
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-arm/usr/include -fno-rtti -c
./obj/local/armeabi-v7a/objs/hellocomputendk/ScriptC_mono.cpp -o ./obj/local/armeabi-v7a/objs/hellocomputendk/mono.o
2015-05-12 16:14:19.901 UTC: >
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/renderscript/prebuilt/windows-x86_64/bin/bcc_compat
-O3 -o ./obj/local/mips/objs/hellocomputendk/mono.bc.o -fPIC -shared -rt-path
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-mips/usr/lib/rs/libclcore.bc -mtriple
mipsel-unknown-linux ./obj/local/mips/objs/hellocomputendk/mono.bc &&
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/mipsel-linux-android-4.9/prebuilt/windows-x86_64/bin/mi
pseel-linux-android-g++ -shared -Wl,-soname,libs.mono.so -nostdlib ./obj/local/mips/objs/hellocomputendk/mono.bc.o
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-mips/usr/lib/rs/libcompiler_rt.a -o
./libs/mips/libs.mono.so -L C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-mips/usr/lib
-L C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-mips/usr/lib/rs -no-canonical-prefixes
-IRSSupport -lm -lc &&
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/toolchains/mipsel-linux-android-4.9/prebuilt/windows-x86_64/bin/mi
pseel-linux-android-g++ -MMD -MP -MF ./obj/local/mips/objs/hellocomputendk/mono.o.d -fpic -fno-strict-aliasing -finline-functions
-ffunction-sections -funwind-tables -fmessage-length=0 -fno-inline-functions-called-once -fgcse-after-reload -frerun-cse-after-loop
-frename-registers -no-canonical-prefixes -fno-exceptions -fno-rtti -O2 -g -DNDEBUG -fomit-frame-pointer -funswitch-loops
-finline-limit=300
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-mips/usr/include/rs/cpp
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-mips/usr/include/rs
-l./obj/local/mips/objs/hellocomputendk
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/sources/cxx-stl/stlport/stlport
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/sources/cxx-stl/gabi++/include -ljni -DANDROID
-Wa,--noexecstack -Wformat -Werror=format-security -frtti -std=gnu++11
-IC:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-mips/usr/include -fno-rtti -c
./obj/local/mips/objs/hellocomputendk/ScriptC_mono.cpp -o ./obj/local/mips/objs/hellocomputendk/mono.o
2015-05-12 16:14:20.262 UTC: * WARNING: Linking two modules of different data layouts:
'C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-arm/usr/lib/rs/libclcore.bc' is
'e-p:32:32-i64:64-v128:64:128-n32-S64' whereas './obj/local/armeabi-v7a/objs/hellocomputendk/mono.bc' is
'e-m:e-p:32:32-i64:64-v128:64:128-n32-S64'
2015-05-12 16:14:20.308 UTC: * WARNING: Linking two modules of different data layouts:
'C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-mips/usr/lib/rs/libclcore.bc' is
'e-p:32:32-i8:8-32-i16:16-32-i64:64-n32-S64' whereas './obj/local/mips/objs/hellocomputendk/mono.bc' is
'e-m:e-p:32:32-i64:64-v128:64:128-n32-S64'
2015-05-12 16:14:20.323 UTC: * WARNING: Linking two modules of different target triples:
C:/tmp/crystaxndk-ndk/crystax-ndk-10.1.0-b536-windows-x86_64/platforms/android-19/arch-mips/usr/lib/rs/libclcore.bc' is
'mipsel-unknown-linux' whereas './obj/local/mips/objs/hellocomputendk/mono.bc' is 'armv7-none-linux-gnueabi'
2015-05-12 16:14:27.437 UTC: ERROR: Build of project HelloComputeNDK failed
2015-05-12 16:14:27.448 UTC: ----> FAILURE: TARGET BUILD [HelloComputeNDK]

```

## History

### #1 - 05/13/2015 05:23 PM - Dmitry Moskalchuk

- Target version set to 10.2.0

### #2 - 05/14/2015 12:33 PM - Alexander Zhukov

- Status changed from Open to In Progress

### #3 - 05/20/2015 12:26 PM - Alexander Zhukov

- Status changed from In Progress to Closed

- % Done changed from 0 to 100

[master ec283c6] Fix issue [#948](#)