

Build errors encountered while building B2G for Huawei Ideos U8150

July 24, 2012

Contents

1	libstagefright	1
2	libwebrtc	1
3	Live wallpaper	2
4	apns-conf.xml	2
5	gtest	2

1 libstagefright

Error

No rule to make target libchromium_net.so (?) required by libstagefright (?)

Problem

Dependency on chromium has not been removed properly. Issue crops up because of some changes that we have made

Solution

Replace \$(HTTP) with "android" (no quotes) in frameworks/base/media/libstagefright/Android.mk

2 libwebrtc

Error

```
target thumb C: libwebrtc_ns <=
external/webrtc/src/modules/audio_processing/ns/main/source/nsx_core.c
{standard input}: Assembler messages:
{standard input}:48: Error: selected processor does not support 'smulbb r5,r1,r3'
{standard input}:364: Error: selected processor does not support 'clz r6,r5'
{standard input}:427: Error: selected processor does not support 'clz r6,r4'
...
{standard input}:7181: Error: selected processor does not support 'clz r2,r0'
{standard input}:7554: Error: selected processor does not support 'smulbb r7,r6,r0'
{standard input}:7627: Error: selected processor does not support 'smulbb r5,r1,r7'
make: *** [out/target/product/u8150/obj/STATIC_LIBRARIES/libwebrtc_ns_intermediates/nsx_core.o]
Error 1
```

Problem

Webrtc does not work for ARM processors < v7. Ideos has ARMv6.

Solution

Use a different webrtc folder. This can be obtained from here: <https://github.com/vivekkuamrbagaria/webrtc.git>
Refer <http://forum.xda-developers.com/showthread.php?t=1501114&page=3>

3 Live wallpaper

Error

```
make: *** No rule to make target  
'packages/wallpapers/LivePicker/android.software.live_wallpaper.xml', needed by  
'out/target/product/u8150/system/etc/permissions/android.software.live_wallpaper.xml'.  
Stop.
```

Problem

Unnecessary dependency on live wallpapers.

Solution

Comment the line containing "android.software.live_wallpaper.xml" in vendor/huawei/u8150/u8150-vendor.mk

4 apns-conf.xml

Error

```
make: *** No rule to make target 'development/data/etc/apns-conf_sdk.xml', needed by  
'out/target/product/u8150/system/etc/apns-conf.xml'.  
Stop.
```

Problem

Development folder is not there - it is not there for galaxy-s2 also.

Solution

Comment it out. Hash the lines in build/core/main.mk and in build/target/product/full_base_telephony.mk which includes "apns-conf". Don't comment out the PRODUCT_COPY_FILES variable altogether. Just comment out the assigned part.

5 gtest

Error

```
make: *** [out/host/linux-x86/obj/STATIC_LIBRARIES/libgtest_host_intermediates/gtest-all.o]  
Error 1
```

Problem

64-bit host is required for compilation. This error only occurs on computers running 32-bit operating systems.

Solution

Add

```
#include <cstdint>
```

to `external/gtest/include/gtest/internal/gtest_param_util.h`