

Ports - Bug #896

[icecat] armv7 ==> ERROR: A failure occurred in build().

2015-12-18 05:42 PM - ebrasca

Status:	fixed	% Done:	100%
Priority:	bug		
Assignee:			
Category:			
Description			
I build icecat with chroot-armv7h qemu-arm			
Here fragment of report:			
<pre>++ -o Unified_cpp_webrtc_signaling0.i_o -c -l././././dist/system_wrappers -include /home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/config/gcc_hidden.h -D_FILE_OFFSET_BITS=64 -DCHROMIUM_BUILD -DUSE_LIBJPEG_TURBO=1 -DUSE_NSS=1 -DENABLE_ONE_CLICK_SIGNIN -DGTK_DISABLE_SINGLE_INCLUDES=1 -D_ISOC99_SOURCE=1 -DENABLE_REMOTING=1 -DENABLE_WEBRTC=1 -DENABLE_CONFIGURATION_POLICY -DENABLE_INPUT_SPEECH -DENABLE_NOTIFICATIONS -DENABLE_GPU=1 -DENABLE_EGLIMAGE=1 -DUSE_SKIA=1 -DENABLE_TASK_MANAGER=1 -DENABLE_WEB_INTENTS=1 -DENABLE_EXTENSIONS=1 -DENABLE_PLUGIN_INSTALLATION=1 -DENABLE_PROTECTOR_SERVICE=1 -DENABLE_SESSION_SERVICE=1 -DENABLE_THEMES=1 -DENABLE_BACKGROUND=1 -DENABLE_AUTOMATION=1 -DENABLE_PRINTING=1 -DENABLE_CAPTIVE_PORTAL_DETECTION=1 -DLOG4CXX_STATIC -D_NO_LOG4CXX -DUSE_SSLEAY -D_CPR_USE_EXTERNAL_LOGGER -DWEBRTC_RELATIVE_PATH -DHAVE_WEBRTC_VIDEO -DHAVE_WEBRTC_VOICE -DHAVE_STDINT_H=1 -DHAVE_STDLIB_H=1 -DHAVE_UINT8_T=1 -DHAVE_UINT16_T=1 -DHAVE_UINT32_T=1 -DHAVE_UINT64_T=1 -DMOZILLA_INTERNAL_API -DOS_LINUX -DSIP_OS_LINUX -DWEBRTC_POSIX -D_GNU_SOURCE -DLINUX -DGIPS_VER=3510 -DSECLIB_OPENSSL -D_STDC_FORMAT_MACROS -DNDEBUG -DNVALGRIND -DDYNAMIC_ANNOTATIONS_ENABLED=0 -DSTATIC_EXPORTABLE_JS_API -DMOZILLA_INTERNAL_API -DIMPL_LIBXUL -DMOZ_GLUE_IN_PROGRAM -DAB_CD=en-US -DNO_NSPR_10_SUPPORT -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling -l. -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/ipc/ipdl/_ipdlheaders -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/.. -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./src -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./src/common -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./src/common/browser_logging -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./src/common/time_profiling -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./src/media -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./src/media-conduit -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./src/mediapipeline -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./src/peerconnection -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./src/sdp/sipcc -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./././xpc/base -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./././dom/base -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./././dom/media -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./././media/mtransport -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./trunk -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/././libyuv/include -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/././mtransport/third_party/nppkit/src/util/libekr -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./././network/srtp/src/include -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./././network/srtp/src/crypto/include -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/./chromium/src -l/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/./glue -l././././dist/include -fPIC -D_FORTIFY_SOURCE=2 -DMOZILLA_CLIENT -include ./././././mozilla-config.h -MD -MP -MF .deps/Unified_cpp_webrtc_signaling0.i_o.pp -D_FORTIFY_SOURCE=2 -Wall -Wempty-body -Woverloaded-virtual -Wsign-compare -Wwrite-strings -Wno-invalid-offsetof -march=armv7-a -mfloat-abi=hard -mfpu=vfpv3-d16 -O2 -pipe -fstack-protector -g -fvar-tracking-assignments -g -fvar-tracking-assignments -fno-exceptions -fno-strict-aliasing -fno-rtti -fno-exceptions -fno-math-errno -std=gnu++0x -pthread -pipe -DNDEBUG -DTRIMMED -fprofile-generate -O3 -fomit-frame-pointer -lusr/include/nspr -lusr/include/nss -lusr/include/pixman-1 /home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/media/webrtc/signaling/signaling_ecc/U nified_cpp_webrtc_signaling0.cpp libaccessible_generic.a.desc rm -f libaccessible_generic.a /home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/_virtualenv/bin/python /home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/config/expandlibs_gen.py -o libaccessible_generic.a.desc Unified_cpp_accessible_generic0.i_o</pre>			

```

make6: Leaving directory
'/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/accessible/generic'
In file included from
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./trunk/webrtc/common_video/interface/i420_video_frame.h:15:0,
from
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./trunk/webrtc/modules/video_coding/codecs/interface/video_codec_interface.h:17,
from /home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/src/media-conduit/VideoConduit.h:24,
from /home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/src/media-conduit/WebrtcGmpVideoCodec.h:29,
from /home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/src/media-conduit/GmpVideoCodec.cpp:5,
from
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/media/webrtc/signaling/signaling_ecc/Unified_cpp_webrtc_signaling0.cpp:20:
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./trunk/webrtc/video_frame.h: In member function
'virtual void mozilla::WebrtcGmpVideoEncoder::Encoded(GMPVideoEncodedFrame*, const nsTArray<unsigned char*>)':
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/./trunk/webrtc/video_frame.h:202:29: warning: 'size'
may be used uninitialized in this function [-Wmaybe-uninitialized]
    _completeFrame(false) {}
    ^
In file included from
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/media/webrtc/signaling/signaling_ecc/Unified_cpp_webrtc_signaling0.cpp:29:0:
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/media/webrtc/signaling/src/media-conduit/WebrtcGmpVideoCodec.cpp:454:1
4: note: 'size' was declared here
uint32_t size;
    ^
libecc.a.desc
rm -f libecc.a
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/_virtualenv/bin/python
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/config/expandlibs_gen.py -o libecc.a.desc cpr_string.i_o sdp_access.i_o
sdp_attr.i_o sdp_attr_access.i_o sdp_base64.i_o sdp_config.i_o sdp_main.i_o sdp_services_unix.i_o sdp_token.i_o sdp_utils.i_o
Unified_c_webrtc_signaling0.i_o CSFLog.i_o JsepSessionImpl.i_o AudioConduit.i_o CodecStatistics.i_o VideoConduit.i_o
MediaPipeline.i_o MediaPipelineFilter.i_o SrtpFlow.i_o MediaPipelineFactory.i_o MediaStreamList.i_o PeerConnectionCtx.i_o
PeerConnectionImpl.i_o PeerConnectionMedia.i_o WebrtcGlobalInformation.i_o Unified_cpp_webrtc_signaling0.i_o
make6: Leaving directory
'/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf/media/webrtc/signaling/signaling_ecc'
make5: Leaving directory '/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf'
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/config/recurse.mk:36: recipe for target 'compile' failed
make4.* [compile] Error 2
make4: Leaving directory '/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf'
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/config/rules.mk:541: recipe for target 'default' failed
make3: [default] Error 2
make3: Leaving directory '/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/hf'
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/client.mk:398: recipe for target 'realbuild' failed
make2: [realbuild] Error 2
make2: Leaving directory '/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release'
/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release/client.mk:233: recipe for target 'profiledbuild' failed
make1: [profiledbuild] Error 2
make1: Leaving directory '/home/embrasca/abslibre/libre/icecat/src/gnuzilla-release'
client.mk:171: recipe for target 'build' failed
make: ** [build] Error 2
==> ERROR: A failure occurred in build().
Aborting...

```

History

#1 - 2015-12-18 05:49 PM - ovruni

- Project changed from Packages to 19

#2 - 2015-12-18 06:09 PM - mtjm

The error is most probably earlier.

#3 - 2015-12-26 10:40 PM - Anonymous

Like mtjm says, the error is most probably earlier because it shows since "Error 2". I suggest you attach the log file here to see the complete building process.

#4 - 2015-12-30 09:51 PM - ebrasca

- File *icecat-38.5.2_gnu1-1-armv7h-build.log.tar.gz* added

Here log.

I have compiled it again because I have accidentally delete logs

#5 - 2015-12-31 05:43 AM - isacdaavid

```
make[6]: Entering directory '/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/gfx/ybcr'
mkdir -p '.deps/'
yuv_convert_arm.i.o
c++ -o yuv_convert_arm.i.o -c -I../dist/stl_wrappers -I../dist/system_wrappers -include /home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/config/gcc_hidden.h -DSTATIC_EXPORTABLE_JS_API -DMOZILLA_INTERNAL_API -DIMPL_LIBXUL -DMOZ_GLUE_IN_PROGRAM -DAB_CD=en-US -DNO_NSPR_10_SUPPORT -I/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/gfx/ybcr -I. -I../dist/include -I/usr/include/nspr -I/usr/include/nss -I/usr/include/pixman-1 -fPIC -D_FORTIFY_SOURCE=2 -DMOZILLA_CLIENT -include ../../mozilla-config.h -MD -MP -MF .deps/yuv_convert_arm.i.o.pp -D_FORTIFY_SOURCE=2 -Wall -Wempty-body -Woverloaded-virtual -Wsign-compare -Wwrite-strings -Wno-invalid-offsetof -march=armv7-a -mfloat-abi=hard -mfpu=vfpv3-d16 -O2 -pipe -fstack-protector -g -fvar-tracking-assignments -g -fvar-tracking-assignments -fno-exceptions -fno-strict-aliasing -fno-rtti -fno-exceptions -fno-math-errno -std=gnu++0x -pthread -pipe -DNDEBUG -DTRIMMED -fprofile-generate -O3 -fomit-frame-pointer /home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/gfx/ybcr/yuv_convert_arm.cpp
yuv_row_posix.i.o
{standard input}: Assembler messages:
{standard input}:60: Error: invalid constant (514) after fixup
/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/config/rules.mk:930: recipe for target 'yuv_convert_arm.i.o' failed
make[6]: *** [yuv_convert_arm.i.o] Error 1
make[6]: Leaving directory '/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/obj-armv7l-unknown-linux-gnueabi/gfx/ybcr'
/home/ebrasca/abslibre/libre/icecat/src/gnuzilla-release/config/recurse.mk:74: recipe for target 'gfx/ybcr/target' failed
make[5]: *** [gfx/ybcr/target] Error 2
make[5]: *** Waiting for unfinished jobs....
```

it's the same Gnu ASsembler error I saw before (invalid constant after fixup) at the same file (yuv_convert_arm).

#6 - 2016-01-02 07:19 PM - isacdaavid

- Assignee set to *isacdaavid*

#7 - 2016-01-06 01:45 AM - isacdaavid

- % Done changed from 0 to 50

#8 - 2016-01-11 06:31 PM - ebrasca

- File *icecat-38.5.2_gnu1-2-armv7h-build.log.tar.gz* added

New log.

#9 - 2016-04-30 05:50 AM - isacdaavid

- Assignee deleted (*isacdaavid*)

I'm disowning this bug after re-trying and failing to build icecat and iceweasel under several methods: native build on my slow beaglebone with augmented swap space, cross-compilation using distcc and native linking, and qemu on a faster x86 host with more memory than the other setups. I think the furthest I got was when using qemu, where it repeatedly froze at some of the latest python stages in the make process, after having compiled all C++ code.

I attach the latest PKGBUILDS and a necessary patch, in case you want to try for yourselves

#10 - 2016-05-12 12:55 AM - Anonymous

- Project changed from 19 to Ports

#11 - 2016-06-19 06:34 PM - isacdaavid

- File *PKGBUILD.icecat-38.7.1-gnu1-2-armv7h.patch* added

- File *no-neon.patch* added

- File *PKGBUILD.iceweasel-1_46.0.1.deb1-1-armv7h.patch* added

This time with attachments present.

I'm posting git patches to slightly old package versions. They won't apply cleanly to current ice{weasel,cat} but they will give you an idea of what needs to be done, adding more changes (if any) from Arch ARM.

#12 - 2016-06-29 11:47 AM - GNUtoo

There is some information on the web about such failures:

- <https://archlinuxarm.org/forum/viewtopic.php?f=57&t=9080> <- Arch can have the same failure
- <https://stackoverflow.com/questions/10261300/invalid-constant-after-fixup> <- Explanation about what the error is about.

I don't know what is in that cpp file, but if it lacks any assembly, we probably have a compiler issue.

Denis.

#13 - 2017-02-07 11:48 PM - isacdaavid

- % Done changed from 50 to 100

- Status changed from open to fixed

We have had icecat build since the 45 releases, with the appropriate architecture-specific changes. Memory consumption at link time seems to be the only deciding factor for a successful build.

Files

icecat-38.5.2_gnu1-1-armv7h-build.log.tar.gz	132 KB	2015-12-30	ebrasca
icecat-38.5.2_gnu1-2-armv7h-build.log.tar.gz	224 KB	2016-01-11	ebrasca
PKGBUILD.iceweasel-1_46.0.1.deb1-1-armv7h.patch	2.86 KB	2016-06-19	isacdaavid
no-neon.patch	3.08 KB	2016-06-19	isacdaavid
PKGBUILD.icecat-38.7.1-gnu1-2-armv7h.patch	2.13 KB	2016-06-19	isacdaavid