📁 Android Public Tracker   37007444 ▾

← ↻ ☆   File.listFiles crashes for invalid UTF-8 characters   +1   ¹   Hotlists (1)   Unmark Duplicate   🔔   ⋮

| Comments (6) | Dependencies | Duplicates (0) | Blocking (0) | Resources (2) |

Duplicate of 36940292   Bug   P3   + Add Hotlist   [AOSP] duplicate

👥 **STATUS UPDATE** No update yet.   Edit

📄 **DESCRIPTION** k....@gmail.com created issue #1   Oct 19, 2014 12:07PM   ⋮

java.io.File.listFiles crashes if a name in the directory contains invalid UTF-8 characters.

Instead of crashing, it should represent invalid characters with a '?' or similar (like in the error message below).

Lollipop LPX13D on Nexus 5.

10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65] JNI DETECTED ERROR IN APPLICATION: input is not valid Modified UTF-8: illegal continuation byte 0x6b
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   string: 'Sl?kt-utf8.ged'
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   in call to NewStringUTF
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   from java.lang.String[] java.io.File.listImpl(java.lang.String)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65] "main" prio=5 tid=1 Runnable
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65] | group="main" sCount=0 dsCount=0 obj=0x738fcec0 self=0xb5007800
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65] | sysTid=4108 nice=0 cgrp=apps sched=0/0 handle=0xb6f8eec8
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65] | state=R schedstat=(724006264 441126162 2211) utm=56 stm=16 core=1 HZ=100
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65] | stack=0xbe270000-0xbe272000 stackSize=8MB
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65] | held mutexes= "mutator lock"(shared held)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #00 pc 00004c58 /system/lib/libbacktrace_libc++.so (UnwindCurrent::Unwind(unsigned int, ucontext*)+23)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #01 pc 000034c1 /system/lib/libbacktrace_libc++.so (Backtrace::Unwind(unsigned int, ucontext*)+8)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #02 pc 0025918d /system/lib/libart.so (art::DumpNativeStack(std::__1::basic_ostream<char, std::__1::char_traits<char> >&, int, char const*, art::mirror::ArtMethod*)+84)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #03 pc 0023cd13 /system/lib/libart.so (art::Thread::Dump(std::__1::basic_ostream<char, std::__1::char_traits<char> >&) const+162)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #04 pc 000b1195 /system/lib/libart.so (art::JniAbort(char const*, char const*)+620)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #05 pc 000b18c5 /system/lib/libart.so (art::JniAbortF(char const*, char const*, ...)+68)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #06 pc 000b3e63 /system/lib/libart.so (art::ScopedCheck::Check(bool, char const*, ...) (.constprop.128)+922)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #07 pc 000bd965 /system/lib/libart.so (art::CheckJNI::NewStringUTF(_JNIEnv*, char const*)+44)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #08 pc 00013629 /system/lib/libjavacore.so (_jobjectArray* toStringArray<VectorCounter, VectorGetter>(_JNIEnv*, VectorCounter*, VectorGetter*)+64)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #09 pc 00013883 /system/lib/libjavacore.so (???)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   native: #10 pc 00000c8d /data/dalvik-cache/arm/system@framework@boot.oat (Java_java_io_File_listImpl__Ljava_lang_String_2+100)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   at java.io.File.listImpl(Native method)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   at java.io.File.list(File.java:742)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   at java.io.File.listFiles(File.java:784)
10-19 02:11:12.194: A/art(4108): art/runtime/check_jni.cc:65]   at nu.sundin.app.FileSelectorActivity.readDir(FileSelectorActivity.java:117)

✓ **Links (2)**   Hide all

"Report all issues with the L preview to https://code.google.com/p/android-developer-preview/"   hb...@ #2
"Refer Solution at   http://stackoverflow.com/questions/27009502/file-listfiles-crashes-for-invalid-utf-8-characters/27009529... "   ma...@ #6

COMMENTS   All comments ▾   ↓ Oldest first

○   **hb...@gmail.com** <hb...@gmail.com> #2   Oct 19, 2014 07:07PM   ⋮

Report all issues with the L preview to https://code.google.com/p/android-developer-preview/

○   **k....@gmail.com** <k....@gmail.com> #3   Oct 20, 2014 03:26AM   ⋮

Right, sorry. But FWIW, Kitkat KTU84P crashes too:

10-19 17:56:28.930: W/dalvikvm(3964): JNI WARNING: NewStringUTF input is not valid Modified UTF-8: illegal continuation byte 0x6b
10-19 17:56:28.930: W/dalvikvm(3964):   string: 'Sl?kt-utf8.ged'
10-19 17:56:28.930: W/dalvikvm(3964):   in Ljava/io/File;.listImpl:(Ljava/lang/String;)[Ljava/lang/String; (NewStringUTF)
10-19 17:56:28.930: I/dalvikvm(3964): "main" prio=5 tid=1 NATIVE
10-19 17:56:28.930: I/dalvikvm(3964): | group="main" sCount=0 dsCount=0 obj=0x41899ca8 self=0x40118468
10-19 17:56:28.930: I/dalvikvm(3964): | sysTid=3964 nice=0 sched=0/0 cgrp=apps handle=1075368276

Reporter   ○ k....@gmail.com
Type   Bug
Priority   P3
Severity   S3
Status   Duplicate of 36940292
Access   Default access   View
Assignee   --
Verifier   --
Collaborators   👥 ___
CC   🔒 ___
   k....@gmail.com
AOSP ID   77735
ReportedBy   Developer
Found In   --
Targeted To   --
Verified In   --
In Prod   ○

10-19 17:56:28.930: I/dalvikvm(3964): | state=R schedstat=(712506000 206304000 2728) utm=54 stm=17 core=3
10-19 17:56:28.950: I/dalvikvm(3964): #00 pc 0000132e /system/lib/libcorkscrew.so (unwind_backtrace_thread+29)
10-19 17:56:28.950: I/dalvikvm(3964): #01 pc 0006064e /system/lib/libdvm.so (dvmDumpNativeStack(DebugOutputTarget const*, int)+33)
10-19 17:56:28.950: I/dalvikvm(3964): #02 pc 0005463c /system/lib/libdvm.so (dvmDumpThreadEx(DebugOutputTarget const*, Thread*, bool)+395)
10-19 17:56:28.950: I/dalvikvm(3964): #03 pc 000546aa /system/lib/libdvm.so (dvmDumpThread(Thread*, bool)+25)
10-19 17:56:28.950: I/dalvikvm(3964): #04 pc 00038804 /system/lib/libdvm.so
10-19 17:56:28.950: I/dalvikvm(3964): #05 pc 00039c3c /system/lib/libdvm.so
10-19 17:56:28.950: I/dalvikvm(3964): #06 pc 0003c00e /system/lib/libdvm.so
10-19 17:56:28.950: I/dalvikvm(3964): #07 pc 00002cde /system/lib/libnativehelper.so (_jobjectArray* toStringArray<VectorCounter, VectorGetter>(_JNIEnv*, VectorCounter*, VectorGetter*)+57)
10-19 17:56:28.950: I/dalvikvm(3964): #08 pc 00002d36 /system/lib/libnativehelper.so (toStringArray(_JNIEnv*, std::vector<std::string, std::allocator<std::string> > const&)+9)
10-19 17:56:28.950: I/dalvikvm(3964): #09 pc 0000f72e /system/lib/libjavacore.so
10-19 17:56:28.950: I/dalvikvm(3964): #10 pc 0001dbcc /system/lib/libdvm.so (dvmPlatformInvoke+112)
10-19 17:56:28.950: I/dalvikvm(3964): #11 pc 0004e122 /system/lib/libdvm.so (dvmCallJNIMethod(unsigned int const*, JValue*, Method const*, Thread*)+397)
10-19 17:56:28.950: I/dalvikvm(3964): #12 pc 00026fe0 /system/lib/libdvm.so
10-19 17:56:28.950: I/dalvikvm(3964): #13 pc 0002dfa0 /system/lib/libdvm.so (dvmMterpStd(Thread*)+76)
10-19 17:56:28.950: I/dalvikvm(3964): #14 pc 0002b638 /system/lib/libdvm.so (dvmInterpret(Thread*, Method const*, JValue*)+184)
10-19 17:56:28.950: I/dalvikvm(3964): #15 pc 00060860 /system/lib/libdvm.so (dvmInvokeMethod(Object*, Method const*, ArrayObject*, ArrayObject*, ClassObject*, bool)+391)
10-19 17:56:28.950: I/dalvikvm(3964): #16 pc 000687c2 /system/lib/libdvm.so
10-19 17:56:28.950: I/dalvikvm(3964): #17 pc 00026fe0 /system/lib/libdvm.so
10-19 17:56:28.950: I/dalvikvm(3964): #18 pc 0002dfa0 /system/lib/libdvm.so (dvmMterpStd(Thread*)+76)
10-19 17:56:28.950: I/dalvikvm(3964): #19 pc 0002b638 /system/lib/libdvm.so (dvmInterpret(Thread*, Method const*, JValue*)+184)
10-19 17:56:28.950: I/dalvikvm(3964): #20 pc 0006057c /system/lib/libdvm.so (dvmCallMethodV(Thread*, Method const*, Object*, bool, JValue*, std::__va_list)+335)
10-19 17:56:28.950: I/dalvikvm(3964): #21 pc 00049d0a /system/lib/libdvm.so
10-19 17:56:28.950: I/dalvikvm(3964): #22 pc 0004d2b0 /system/lib/libandroid_runtime.so
10-19 17:56:28.950: I/dalvikvm(3964): #23 pc 0004dfd6 /system/lib/libandroid_runtime.so (android::AndroidRuntime::start(char const*, char const*)+353)
10-19 17:56:28.950: I/dalvikvm(3964): #24 pc 0000105a /system/bin/app_process
10-19 17:56:28.950: I/dalvikvm(3964): #25 pc 0000e400 /system/lib/libc.so (__libc_init+47)
10-19 17:56:28.950: I/dalvikvm(3964): at java.io.File.listImpl(Native Method)
10-19 17:56:28.950: I/dalvikvm(3964): at java.io.File.list(File.java:747)
10-19 17:56:28.950: I/dalvikvm(3964): at java.io.File.listFiles(File.java:789)
10-19 17:56:28.950: I/dalvikvm(3964): at nu.sundin.app.FileSelectorActivity.readDir(FileSelectorActivity.java:117)

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en...@google.com <en...@google.com>   Oct 20, 2014 04:05AM

Status: Duplicate of 36940292

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ga...@gmail.com <ga...@gmail.com> #4   Nov 14, 2014 10:06PM ⋮

11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] JNI DETECTED ERROR IN APPLICATION: input is not valid Modified UTF-8: illegal continuation byte 0xfd
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65]   string: 'ƒ������c008.mp3'
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65]   in call to NewStringUTF
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65]   from java.lang.String[] java.io.File.listImpl(java.lang.String)
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] "Thread-11802" prio=5 tid=21 Runnable
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] | group="main" sCount=0 dsCount=0 obj=0x12fa02e0 self=0xac86e400
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] | sysTid=10471 nice=0 cgrp=apps sched=0/0 handle=0xac4a2780
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] | state=R schedstat=(1313606209 1810471121 24376) utm=55 stm=76 core=1 HZ=100
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] | stack=0xa27f6000-0xa27f8000 stackSize=1036KB
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] | held mutexes= "mutator lock"(shared held)
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] native: #00 pc 00004c58 /system/lib/libbacktrace_libc++.so (UnwindCurrent::Unwind(unsigned int, ucontext*)+23)
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] native: #01 pc 000034c1 /system/lib/libbacktrace_libc++.so (Backtrace::Unwind(unsigned int, ucontext*)+8)
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] native: #02 pc 002526c5 /system/lib/libart.so (art::DumpNativeStack(std::__1::basic_ostream<char, std::__1::char_traits<char> >&, int, char const*, art::mirror::ArtMethod*)+84)
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] native: #03 pc 002361a3 /system/lib/libart.so (art::Thread::Dump(std::__1::basic_ostream<char, std::__1::char_traits<char> >&) const+162)
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] native: #04 pc 000b1215 /system/lib/libart.so (art::JniAbort(char const*, char const*)+620)
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] native: #05 pc 000b1945 /system/lib/libart.so (art::JniAbortF(char const*, char const*, ...)+68)
11-14 19:03:07.729: A/art(10434): art/runtime/check_jni.cc:65] native: #06 pc 000b3ee3 /system/lib/libart.so (art::ScopedCheck::Check(bool, char const*, ...) (.constprop.128)+922)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65] native: #07 pc 000bd9e5 /system/lib/libart.so (art::CheckJNI::NewStringUTF(_JNIEnv*, char const*)+44)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65] native: #08 pc 00013629 /system/lib/libjavacore.so (_jobjectArray* toStringArray<VectorCounter, VectorGetter>(_JNIEnv*, VectorCounter*, VectorGetter*)+64)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65] native: #09 pc 00013883 /system/lib/libjavacore.so (???)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65] native: #10 pc 00000c8d /data/dalvik-cache/arm/system@framework@boot.oat (Java_java_io_File_listImpl__Ljava_lang_String_2+100)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65] at java.io.File.listImpl(Native method)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65] at java.io.File.list(File.java:742)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65] at java.io.File.listFiles(File.java:784)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65] at java.io.File.listFiles(File.java:819)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65] at com.xxxx.xxxx.xxx.music.MediaLibrary$GetMediaItemsRunnable.run(MediaLibrary.java:266)

11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65]   at java.lang.Thread.run(Thread.java:818)
11-14 19:03:07.730: A/art(10434): art/runtime/check_jni.cc:65]
11-14 19:03:08.033: A/art(10434): art/runtime/monitor.cc:1013] Check failed: code_item != NULL <runtime method>.<runtime internal callee-save reference registers method><no signature>
11-14 19:03:08.033: A/art(10434): art/runtime/runtime.cc:284] Runtime aborting --- recursively, so no thread-specific detail!
11-14 19:03:08.033: A/art(10434): art/runtime/runtime.cc:284]
11-14 19:03:08.033: A/libc(10434): Fatal signal 6 (SIGABRT), code -6 in tid 10471 (Thread-11802)

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ga...@gmail.com <ga...@gmail.com> #5   Nov 14, 2014 10:08PM   ⋮

nexus 5, LRX210

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ma...@gmail.com <ma...@gmail.com> #6   Nov 19, 2014 04:21PM   ⋮

Refer Solution at http://stackoverflow.com/questions/27009502/file-listfiles-crashes-for-invalid-utf-8-characters/27009529#27009529