

Javascript catch block NOT catching Java Method Call Exception

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Obsolete Bug P3 + Add Hotlist [AOSP] Version-1.6 NeedsInfo

STATUS UPDATE No update yet. Edit

DESCRIPTION ni...@gmail.com created issue #1 Sep 18, 2010 01:01AM

=====

- Steps to reproduce the problem (including sample code if appropriate).

Create a simple program with a webview and from Javascript, try to call a JAVA method in which exception occurs, catch it in Javascript. Use the following code.

Here's the java code

```
package com.exceptionTest;

import android.app.Activity;
import android.os.Bundle;
import android.webkit.WebSettings;
import android.webkit.WebView;

public class myactivity extends Activity {

    private WebView browser;
    private MyInnerClass myobj;

    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.main);
    }

    @Override
    public void onResume() {
        super.onResume();

        browser = new WebView(this);

        myobj = new MyInnerClass();

        browser.addJavascriptInterface(myobj, "calc");

        WebSettings settings = browser.getSettings();

        settings.setJavaScriptEnabled(true);

        browser.clearCache(true);

        browser.loadUrl("file:///android_asset/index.html");
    }

    public class MyInnerClass {

        public void throwexception() throws Exception
        {
            throw new Exception();
        }
    }
}
```

Here's the HTML/Javascript code

Reporter ni...@gmail.com
Type Bug
Priority P3
Severity S3
Status Won't fix (Obsolete)
Access Default access View
Assignee --
Verifier --
Collaborators
CC ni...@gmail.com
AOSP ID 11318
ReportedBy Developer
Found In --
Targeted To --
Verified In --
In Prod

```

<html>
  <head>
    <title></title>
  </head>
  <body>
    <script type="text/javascript">
      try
      {
        console.log('JAVASCRIPT TRY!');

        calc.throwexception();
      }
      catch(ee)
      {
        console.log('JAVASCRIPT CATCH');
      }
    </script>
  </body>
</html>

```

=====

- What happened.

In LogCat, The Java Exception occurs, the WebViewCoreThread thread crashes, VM gets aborted.

```

09-17 20:20:52.446: INFO/ActivityManager(55): Starting activity: Intent { act=android.intent.action.MAIN cat=
[android.intent.category.LAUNCHER] flg=0x10200000 cmp=com.exceptionTest/.myactivity }
09-17 20:20:52.605: INFO/ActivityManager(55): Start proc com.exceptionTest for activity
com.exceptionTest/.myactivity: pid=326 uid=10026 gids={}
09-17 20:20:52.916: DEBUG/dalvikvm(29): GC freed 263 objects / 10048 bytes in 294ms
09-17 20:20:53.095: INFO/jdwp(326): received file descriptor 20 from ADB
09-17 20:20:53.176: DEBUG/dalvikvm(29): GC freed 35 objects / 1536 bytes in 227ms
09-17 20:20:53.225: DEBUG/ddm-heap(326): Got feature list request
09-17 20:20:53.396: DEBUG/dalvikvm(29): GC freed 2 objects / 48 bytes in 189ms
09-17 20:20:54.856: INFO/ActivityManager(55): Displayed activity com.exceptionTest/.myactivity: 2357 ms
(total 2357 ms)
09-17 20:20:55.346: DEBUG/WebCore(326): Console: JAVASCRIPT TRY! line: 0 source:
09-17 20:20:55.375: WARN/dalvikvm(326): JNI WARNING: JNI method called with exception raised
09-17 20:20:55.375: WARN/dalvikvm(326):      in Landroid/webkit/LoadListener;.nativeFinished ()V
(SetIntField)
09-17 20:20:55.375: WARN/dalvikvm(326): Pending exception is:
09-17 20:20:55.375: INFO/dalvikvm(326): Ljava/lang/Exception::
09-17 20:20:55.375: INFO/dalvikvm(326):   at
com.exceptionTest.myactivity$MyInnerClass.throwexception(myactivity.java:42)
09-17 20:20:55.375: INFO/dalvikvm(326):   at android.webkit.LoadListener.nativeFinished(Native Method)
09-17 20:20:55.375: INFO/dalvikvm(326):   at android.webkit.LoadListener.nativeFinished(Native Method)
09-17 20:20:55.385: INFO/dalvikvm(326):   at android.webkit.LoadListener.tearDown(LoadListener.java:1076)
09-17 20:20:55.385: INFO/dalvikvm(326):   at
android.webkit.LoadListener.handleEndData(LoadListener.java:642)
09-17 20:20:55.385: INFO/dalvikvm(326):   at
android.webkit.LoadListener.handleMessage(LoadListener.java:203)
09-17 20:20:55.385: INFO/dalvikvm(326):   at android.os.Handler.dispatchMessage(Handler.java:99)
09-17 20:20:55.385: INFO/dalvikvm(326):   at android.os.Looper.loop(Looper.java:123)
09-17 20:20:55.385: INFO/dalvikvm(326):   at
android.webkit.WebViewCore$WebCoreThread.run(WebViewCore.java:471)
09-17 20:20:55.385: INFO/dalvikvm(326):   at java.lang.Thread.run(Thread.java:1060)
09-17 20:20:55.397: INFO/dalvikvm(326): "WebViewCoreThread" prio=5 tid=17 NATIVE
09-17 20:20:55.397: INFO/dalvikvm(326):   | group="main" sCount=0 dsCount=0 s=N obj=0x437620e0
self=0x1ae838
09-17 20:20:55.397: INFO/dalvikvm(326):   | sysTid=333 nice=0 sched=0/0 handle=1761696
09-17 20:20:55.397: INFO/dalvikvm(326):   at android.webkit.LoadListener.nativeFinished(Native Method)
09-17 20:20:55.397: INFO/dalvikvm(326):   at android.webkit.LoadListener.tearDown(LoadListener.java:1076)
09-17 20:20:55.397: INFO/dalvikvm(326):   at
android.webkit.LoadListener.handleEndData(LoadListener.java:642)
09-17 20:20:55.397: INFO/dalvikvm(326):   at
android.webkit.LoadListener.handleMessage(LoadListener.java:203)
09-17 20:20:55.397: INFO/dalvikvm(326):   at android.os.Handler.dispatchMessage(Handler.java:99)
09-17 20:20:55.397: INFO/dalvikvm(326):   at android.os.Looper.loop(Looper.java:123)
09-17 20:20:55.407: INFO/dalvikvm(326):   at
android.webkit.WebViewCore$WebCoreThread.run(WebViewCore.java:471)
09-17 20:20:55.407: INFO/dalvikvm(326):   at java.lang.Thread.run(Thread.java:1060)
09-17 20:20:55.407: ERROR/dalvikvm(326): VM aborting
09-17 20:20:55.526: INFO/DEBUG(27): *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***
09-17 20:20:55.526: INFO/DEBUG(27): Build fingerprint: 'generic/sdk/generic/:1.6/Donut/20842:eng/test-keys'

```

```

09-17 20:20:55.526: INFO/DEBUG(27): pid: 326, tid: 333 >>> com.exceptionTest <<<
09-17 20:20:55.526: INFO/DEBUG(27): signal 11 (SIGSEGV), fault addr deadd00d
09-17 20:20:55.526: INFO/DEBUG(27): r0 0000032c r1 80000000 r2 0000000c r3 00000026
09-17 20:20:55.526: INFO/DEBUG(27): r4 deadd00d r5 43787c18 r6 ad083e1c r7 fffe6e24
09-17 20:20:55.526: INFO/DEBUG(27): r8 44bbdda0 r9 42546ef8 10 42546ee4 fp 00000001
09-17 20:20:55.526: INFO/DEBUG(27): ip ad083ef8 sp 44bbbc20 lr afe13f0d pc ad03b7fa cpsr 20000030
09-17 20:20:55.676: INFO/DEBUG(27): #00 pc 0003b7fa /system/lib/libdvm.so
09-17 20:20:55.686: INFO/DEBUG(27): #01 pc 0002df7a /system/lib/libdvm.so
09-17 20:20:55.686: INFO/DEBUG(27): #02 pc 0002e328 /system/lib/libdvm.so
09-17 20:20:55.695: INFO/DEBUG(27): #03 pc 0003531a /system/lib/libdvm.so
09-17 20:20:55.695: INFO/DEBUG(27): #04 pc 0025af86 /system/lib/libwebcore.so
09-17 20:20:55.705: INFO/DEBUG(27): #05 pc 001c88a2 /system/lib/libwebcore.so
09-17 20:20:55.725: INFO/DEBUG(27): #06 pc 001e16a8 /system/lib/libwebcore.so
09-17 20:20:55.725: INFO/DEBUG(27): #07 pc 001e16ec /system/lib/libwebcore.so
09-17 20:20:55.725: INFO/DEBUG(27): #08 pc 001e1706 /system/lib/libwebcore.so
09-17 20:20:55.736: INFO/DEBUG(27): #09 pc 0018b790 /system/lib/libwebcore.so
09-17 20:20:55.736: INFO/DEBUG(27): #10 pc 0018e4d2 /system/lib/libwebcore.so
09-17 20:20:55.746: INFO/DEBUG(27): #11 pc 0018e384 /system/lib/libwebcore.so
09-17 20:20:55.746: INFO/DEBUG(27): #12 pc 0018bf56 /system/lib/libwebcore.so
09-17 20:20:55.756: INFO/DEBUG(27): #13 pc 0018dbf0 /system/lib/libwebcore.so
09-17 20:20:55.756: INFO/DEBUG(27): #14 pc 0025ad5e /system/lib/libwebcore.so
09-17 20:20:55.766: INFO/DEBUG(27): #15 pc 0000e434 /system/lib/libdvm.so
09-17 20:20:55.766: INFO/DEBUG(27): #16 pc 00040b0e /system/lib/libdvm.so
09-17 20:20:55.766: INFO/DEBUG(27): #17 pc 00013198 /system/lib/libdvm.so
09-17 20:20:55.775: INFO/DEBUG(27): #18 pc 00017be4 /system/lib/libdvm.so
09-17 20:20:55.775: INFO/DEBUG(27): #19 pc 0001762c /system/lib/libdvm.so
09-17 20:20:55.785: INFO/DEBUG(27): #20 pc 0005282c /system/lib/libdvm.so
09-17 20:20:55.785: INFO/DEBUG(27): #21 pc 0005284a /system/lib/libdvm.so
09-17 20:20:55.785: INFO/DEBUG(27): #22 pc 00047800 /system/lib/libdvm.so
09-17 20:20:55.795: INFO/DEBUG(27): #23 pc 0000f940 /system/lib/libc.so
09-17 20:20:55.795: INFO/DEBUG(27): #24 pc 0000f4b4 /system/lib/libc.so
09-17 20:20:55.805: INFO/DEBUG(27): stack:
09-17 20:20:55.805: INFO/DEBUG(27): 44bbbbe0 000b1210 [heap]
09-17 20:20:55.805: INFO/DEBUG(27): 44bbbbe4 afe12f59 /system/lib/libc.so
09-17 20:20:55.805: INFO/DEBUG(27): 44bbbbe8 afe39f90 /system/lib/libc.so
09-17 20:20:55.805: INFO/DEBUG(27): 44bbbbec afe39fe4 /system/lib/libc.so
09-17 20:20:55.817: INFO/DEBUG(27): 44bbbbf0 00000000
09-17 20:20:55.817: INFO/DEBUG(27): 44bbbbf4 afe13f0d /system/lib/libc.so
09-17 20:20:55.817: INFO/DEBUG(27): 44bbbbf8 001ae838 [heap]
09-17 20:20:55.817: INFO/DEBUG(27): 44bbbbfc afe12f29 /system/lib/libc.so
09-17 20:20:55.817: INFO/DEBUG(27): 44bbbc00 fffe6e24
09-17 20:20:55.826: INFO/DEBUG(27): 44bbbc04 ad083e1c /system/lib/libdvm.so
09-17 20:20:55.826: INFO/DEBUG(27): 44bbbc08 43787c18 /dev/ashmem/mspace/dalvik-heap/2 (deleted)
09-17 20:20:55.826: INFO/DEBUG(27): 44bbbc0c ad083e1c /system/lib/libdvm.so
09-17 20:20:55.826: INFO/DEBUG(27): 44bbbc10 fffe6e24
09-17 20:20:55.826: INFO/DEBUG(27): 44bbbc14 afe12f8d /system/lib/libc.so
09-17 20:20:55.826: INFO/DEBUG(27): 44bbbc18 df002777
09-17 20:20:55.836: INFO/DEBUG(27): 44bbbc1c e3a070ad
09-17 20:20:55.836: INFO/DEBUG(27): #00 44bbbc20 00000001
09-17 20:20:55.846: INFO/DEBUG(27): 44bbbc24 ad02df7f /system/lib/libdvm.so
09-17 20:20:55.846: INFO/DEBUG(27): #01 44bbbc28 ad083e1c /system/lib/libdvm.so
09-17 20:20:55.846: INFO/DEBUG(27): 44bbbc2c ad02e32d /system/lib/libdvm.so
09-17 20:20:57.546: DEBUG/Zygote(29): Process 326 terminated by signal (11)
09-17 20:20:57.556: INFO/ActivityManager(55): Process com.exceptionTest (pid 326) has died.
09-17 20:20:57.565: INFO/WindowManager(55): WIN DEATH: Window{4398c220
com.exceptionTest/com.exceptionTest.myactivity paused=false}
09-17 20:20:57.696: WARN/UsageStats(55): Unexpected resume of com.android.launcher while already
resumed in com.exceptionTest
09-17 20:20:57.845: WARN/InputManagerService(55): Got RemoteException sending setActive(false)
notification to pid 326 uid 10026

```

- What you think the correct behavior should be.

Since the Javascript try block covers the Java method called, should catch the exception in the Javascript catch block.

- Please also run "adb bugreport" and archive the output.

File Attached:

deleted

 Restricted

COMMENTS

All comments ▼

↓ Oldest first

**en...@google.com** <en...@google.com> [#2](#)

Sep 21, 2010 03:59AM ⋮

can you reproduce this in 2.2?

**ni...@gmail.com** <ni...@gmail.com> [#3](#)

Sep 21, 2010 10:00PM ⋮

Yes, can reproduce this in 2.2. It shows,

Android Dialog Box,

"Sorry, The application exceptionTest (process com.exceptionTest) has stopped unexpectedly. Please try again."

{Force close} Button

Device Tested On Details =

Model number : Nexus One

Android version : 2.2

Baseband version : 32.36.00.28U_4.06.00.12_7

Kernel version : 2.6.32.9-27227-g3c98b0d android-build@apa26 #1

Build number : FRF91

**au...@gmail.com** <au...@gmail.com> [#4](#)

Sep 30, 2010 05:20PM ⋮

Is there a way to handle this problem through coding?

**jb...@android.com** <jb...@android.com>

Jun 9, 2013 12:50AM

Status: Won't Fix (Obsolete)

**do...@gmail.com** <do...@gmail.com> [#5](#)

Aug 17, 2015 10:10PM ⋮

I reproduced this on Lollipop (Nexus 5)