

st...@google.com <st...@google.com><u>#4</u>

> I get a json object from the javascript, and make a call to displayTextInput(), which is a java function
How do you get the result of the JavaScript evaluation to Java? Are you using the Java Bridge (WebView.addJavascriptInterface())?

Can your provide a code snippet which repros this, or at least a complete burgreport?

```
ma...@gmail.com <ma...@gmail.com>#5
Yes, to get the result of the JS to Java, we use the Java Bridge.
 OnCreate() of MainActivity:
    mWeb = (MyWebView) findViewById(R.id.web);
    mWeb.addJavascriptInterface(
         new MyJSInterface(), "external");
The onclick event in the html textarea calls this javascript function:
 displayTextInput: function(params) {
         window.external.Notify(**JSON string**);
         //calls MyJSInterface.Notify(String json); where the json string is parsed and makes a call to displayTextInput() on the java side.
    }
Java side displayTextInput():
void displayTextInput(JSONObject params, String callback) {
     Log.d(TAG, "displayTextInput() for TextInputActivity");
    Intent intent = new Intent(this, TextInputActivity.class);
    String hint = params.optString("hint", null);
    if (!TextUtils.isEmpty(hint)) {
      intent.putExtra(TextInputActivity.EXTRA_HINT, hint);
    String donetext = params.optString("donetext", null);
    if (!TextUtils.isEmpty(donetext)) {
      intent.putExtra(TextInputActivity.EXTRA_DONETEXT, donetext);
    String text = params.optString("text", null);
    if (!TextUtils.isEmpty(text)) {
      intent.putExtra(TextInputActivity.EXTRA_TEXT, text);
    String threadId = params.optString("threadid", "");
    intent.putExtra(TextInputActivity.EXTRA_THREADID, threadId);
    String receiver = params.optString("receiver", "");
    intent.putExtra(TextInputActivity.EXTRA_RECEIVER, receiver);
    intent.putExtra(TextInputActivity.EXTRA_CALLBACK, callback);
    startActivityForResult(intent, TEXTINPUT_ACTIVITY);
onActivityResult():
   switch (req) {
      case TEXTINPUT_ACTIVITY:
         Log.d(TAG, "OnActivityResult() for TextInputActivity");
         if (ret == RESULT_OK) {
           String cb = data.getStringExtra(
                TextInputActivity.EXTRA_CALLBACK);
           Map<String, String> args = new HashMap<String, String>();
           String text = data.getStringExtra(TextInputActivity.EXTRA_TEXT);
           final String threadId = data.getStringExtra(TextInputActivity.EXTRA_THREADID);
           final String receiver = data.getStringExtra(TextInputActivity.EXTRA_RECEIVER);
           final String origText = text;
           final boolean backpressed = data.getBooleanExtra(TextInputActivity.EXTRA_BACKPRESSED, false);
           text = text.replace("\\", "\\\\");
           text = text.replaceAll("\\n", "\\\\n")
                .replaceAll("\"", "\\\\"");
           args.put("text", text);
           args.put("okc_backpressed", String.valueOf(backpressed));
           mWeb.callback(cb, args);
}
mWeb.callback(cb,args) calls loadUrl("javascript: *cb(*args);"); which refers to this line
12-20 10:17:29.132: DEBUG/MyWebView(4987): Loading URL: javascript:Compose.compose_cb('{"text":"Ggg","backpressed":"false"}');
There are no errors that show up in the log after:
12-20 10:17:29.179: INFO/WindowManager(178): createSurface Window{41c02f20 *package*/*package*.MainActivity paused=false}: DRAW NOW PENDING
```

I also ran the debugger and checked the webView object after this point. mJavascriptEnabled = true and any JS interfaces added are still around.

st...@google.com <st...@google.com>#6 When MyJSInterface.Notify() receives the string from JavaScript, are you switching to the UI thread before calling startActivityForResult()? Calls to objects injected into the WebView using the See http://developer.android.com/reference/android/webkit/WebView.html#addJavascriptInterface(java.lang\_Object, java.lang.String) and http://developer.android.com/guide/topics/fundan ma...@gmail.com <ma...@gmail.com>#7 So sorry for the confusion. displayTextInput() and therefore startActivityForResult() are both called on the UI thread. st...@google.com <st...@google.com> #8 OK, I'll have to look into this more carefully. Can you send the source for a minimal (but complete) app that repros the problem? ma...@gmail.com <ma...@gmail.com> #9 I could not duplicate the javascript breaking with a minimal app. However, I was able to have the app go to background from pressing 'home', and have onDestroy() called unexpectedly. When WARN/InputManagerService(175): Starting input on non-focused client com.android.internal.view.llnputMethodClient\$Stub\$Proxy@41b27700 (uid=10059 pid=8710) This is the line that would always get called before the or any activity died where pid was the process id that would get destroyed. It doesn't always happen, and I have no clue why. The attached app code is compiled with API level 8. Example Run: API level 8 running on unlocked Galaxy Nexus 12-20 20:49:01.617: INFO/ActivityManager(175): Start proc com.example for activity com.example/.MyActivity: pid=9169 uid=10059 gids={3003, 1015} 12-20 20:49:01.625: DEBUG/Finsky(9118): [1159] DownloadRecords.initializeAndPrune: Pruned 0 old downloads from the cursor. 12-20 20:49:01.625: DEBUG/dalvikvm(9169): Late-enabling CheckJNI 12-20 20:49:01.632: DEBUG/dalvikvm(9154): GC\_CONCURRENT freed 232K, 3% free 14293K/14599K, paused 2ms+2ms 12-20 20:49:01.656: VERBOSE/PhoneStatusBar(315): setLightsOn(true) 12-20 20:49:01.726: INFO/ActivityManager(175): Process com.android.keychain (pid 9074) has died. 12-20 20:49:01.734: INFO/WindowManager(175): createSurface Window{4196c7e0 com.example/com.example.MyActivity paused=false}: DRAW NOW PENDING 12-20 20:49:01.750: DEBUG/dalvikvm(9154): GC\_CONCURRENT freed 537K, 5% free 14308K/14919K, paused 2ms+2ms 12-20 20:49:01.757: INFO/ActivityThread(9154): Pub com.google.plus.platform: com.google.android.apps.plus.content.AdsProvider 12-20 20:49:01.789: DEBUG/OpenGLRenderer(7829): Flushing caches (mode 1) 12-20 20:49:01.796: DEBUG/OpenGLRenderer(7829): Flushing caches (mode 0) 12-20 20:49:01.804: INFO/ActivityManager(175): Process com.google.android.gallery3d (pid 9061) has died. 12-20 20:49:01.820: VERBOSE/PicasaContentProvider(9154): querySettings: defaults: {sync\_on\_wifi\_only=1, auto\_upload\_account\_type=null, sync\_on\_battery=1, sync\_on\_roaming=0, sync\_pl 12-20 20:49:01.851: VERBOSE/PhoneStatusBar(315): setLightsOn(true) 12-20 20:49:01.875: DEBUG/dalvikvm(9154): GC\_FOR\_ALLOC freed 158K, 4% free 14425K/14919K, paused 18ms 12-20 20:49:01.882: DEBUG/UploadsManager(9154): load newPhotoTracker: null 12-20 20:49:01.882: DEBUG/UploadsManager(9154): load all accounts: null 12-20 20:49:01.882: DEBUG/UploadsManager(9154): load all account-album pairs: null 12-20 20:49:01.882: VERBOSE/PicasaContentProvider(9154): querySettings: defaults: {sync\_on\_wifi\_only=1, auto\_upload\_account\_type=null, sync\_on\_battery=1, sync\_on\_roaming=0, sync\_pl 12-20 20:49:01.882: DEBUG/UploadsManager(9154): settings not changed 12-20 20:49:01.882: DEBUG/PicasaSync(9154): sync account database 12-20 20:49:01.898: INFO/ActivityManager(175): Start proc com.android.voicedialer for broadcast com.android.voicedialer/.VoiceDialerReceiver: pid=9193 uid=10055 gids={3002} 12-20 20:49:01.937: DEBUG/PicasaSync(9154): accounts in DB=0 12-20 20:49:01.937: VERBOSE/PicasaContentProvider(9154): querySettings: defaults: {sync\_on\_wifi\_only=1, auto\_upload\_account\_type=null, sync\_on\_battery=1, sync\_on\_roaming=0, sync\_pl 12-20 20:49:01.945: INFO/ActivityManager(175): Start proc com.android.contacts for broadcast com.android.contacts/.quickcontact.PackageIntentReceiver: pid=9205 uid=10000 gids={300 12-20 20:49:02.039: INFO/ActivityManager(175): Start proc com.google.android.gallery3d for broadcast com.google.android.gallery3d/com.android.gallery3d.app.PackagesMonitor: pid=921 12-20 20:49:02.054: DEBUG/AccountTypeManager(9205): Registering 1 extension packages 12-20 20:49:02.062: ERROR/ExternalAccountType(9205): Unsupported attribute readOnly 12-20 20:49:02.070: DEBUG/AccountTypeManager(9205): Registering extension package account type=com.google, dataSet=plus, packageName=com.google.android.apps.plus 12-20 20:49:02.078: INFO/AccountTypeManager(9205): Loaded meta-data for 3 account types, 0 accounts in 51ms(wall) 20ms(cpu) 12-20 20:49:02.093: INFO/ActivityThread(9219): Pub com.google.android.gallery3d.GooglePhotoProvider: com.google.android.picasasync.PicasaContentProvider 12-20 20:49:02.156: DEBUG/dalvikvm(9219): GC\_CONCURRENT freed 414K, 4% free 14112K/14599K, paused 2ms+2ms  $12\text{-}20\text{-}20\text{:}49\text{:}02\text{.}187\text{: }INFO/ActivityThread} (9219)\text{: }Pub\text{-}com.google.android.gallery3d.provider: }com.android.gallery3d.provider.GalleryProvider (9219)\text{: }Pub\text{-}com.google.android.gallery3d.provider: }Com.android.gallery3d.provider.Galle$ 12-20 20:49:02.242: DEBUG/dalvikvm(9219): GC\_CONCURRENT freed 398K, 4% free 14170K/14663K, paused 2ms+2ms 12-20 20:49:02.273: INFO/ActivityManager(175): Displayed com.example/.MyActivity: +678ms 12-20 20:49:02.390: INFO/ActivityManager(175): Start proc com.google.android.partnersetup for broadcast com.google.android.partnersetup/.RlzPingBroadcastReceiver: pid=9232 uid=100% 12-20 20:49:02.429: DEBUG/dalvikvm(118): GC\_EXPLICIT freed 37K, 3% free 14022K/14339K, paused 2ms+2ms 12-20 20:49:02.429: INFO/ActivityThread(9232): Pub com.google.android.partnersetup.rlzprovider: com.google.android.partnersetup.RlzProvider 12-20 20:49:02.437: INFO/ActivityThread(9232): Pub com.google.android.partnersetup.rlzappprovider: com.google.android.partnersetup.RlzAppProvider 12-20 20:49:02.460: DEBUG/dalvikvm(118): GC\_EXPLICIT freed <1K, 3% free 14022K/14339K, paused 2ms+1ms 12-20 20:49:02.492: DEBUG/dalvikvm(118): GC\_EXPLICIT freed <1K, 3% free 14022K/14339K, paused 1ms+1ms 12-20 20:49:02.507: INFO/dalvikvm(9247): Turning on JNI app bug workarounds for target SDK version 13...

12-20 20:49:02.507: INFO/ActivityManager(175): Start proc com.google.android.apps.maps:FriendService for broadcast com.google.android.apps.maps/com.google.google.android.apps.maps/com.google.apps.maps/com.google.apps.maps/com.google.apps.maps/com.google.apps.maps/com.google.apps.maps/com.google.apps.maps/com.google.apps.maps/com.google.apps/com.google.a

12-20 20:49:02.601: DEBUG/dalvikvm(9247): GC\_CONCURRENT freed 153K, 2% free 14374K/14599K, paused 3ms+1ms

	12-20 20:49:02.687: DEBUG/dalvikvm(9247): GC_CONCURRENT freed 134K, 2% free 14709K/14983K, paused 2ms+2ms
	12-20 20:49:02.773: INFO/ActivityManager(175): Start proc com.google.android.googlequicksearchbox for broadcast com.google.android.googlequicksearchbox/.SourceUpdateReceiver: pic
	12-20 20:49:02.781: DEBUG/dalvikvm(9247): GC_CONCURRENT freed 218K, 3% free 14925K/15239K, paused 1ms+3ms
	12-20 20:49:02.804: INFO/ActivityThread(9260): Pub com.google.android.googlequicksearchbox.shortcuts: com.google.android.googlequicksearchbox.WebHistoryProvider
	12-20 20:49:02.812: INFO/ActivityThread(9260): Pub com.google.android.googlequicksearchbox.google.android.googlequicksearchbox.google.GoogleSuggestionProvider
	12-20 20:49:05.359: INFO/ActivityManager(175): Process com.google.android.gallery3d (pid 9219) has died.
	12-20 20:49:05.382: DEBUG/dalvikvm(9169): GC_CONCURRENT freed 135K, 2% free 14375K/14599K, paused 3ms+1ms
	12-20 20:49:05.437: DEBUG/dalvikvm(9169): GC_CONCURRENT freed 6K, 2% free 14809K/14983K, paused 3ms+5ms
	12-20 20:49:09.828: INFO/WindowManager(175): createSurface Window{41b62f10 TrackingView paused=false}: DRAW NOW PENDING 12-20 20:49:09.921: INFO/ActivityManager(175): Process com.android.vending (pid 9118) has died.
	12-20 20:49:10.468: DEBUG/OpenGLRenderer(315): Flushing caches (mode 0)
	12-20 20:49:10.531: WARN/InputManagerService(175): Window already focused, ignoring focus gain of: com.android.internal.view.llnputMethodClient\$Stub\$Proxy@41a14240
	12-20 20:49:10:351: WARNY/InputManagerservice(175). Window already rocused, ignoring rocus gain or. com.android.internal.view.imputmetriodcilentsstubsProxy@41a14240
	12-20 20:49:12:445: INFO/WindowManager(175): createSurface Window{418802c8 com.android.launcher/com.android.launcher2.Launcher paused=false}: DRAW NOW PENDING
	12-20 20:49:12.687: INFO/ActivityManager(175): Process com.google.android.partnersetup (pid 9232) has died.
	12-20 20:49:12.726: WARN/InputManagerService(175): Starting input on non-focused client com.android.internal.view.llnputMethodClient\$Stub\$Proxy@41be0370 (uid=10059 pid=9169)
	12-20 20:49:12.750: INFO/ActivityManager(175): Process com.google.android.apps.plus (pid 9154) has died.
	12-20 20:49:13.320: DEBUG/MyAct(9169): On Destroy() called
	12-20 20:49:24.296: DEBUG/dalvikym(9169): GC_CONCURRENT freed 198K, 3% free 15042K/15367K, paused 2ms+4ms
	12-20 20:49:24.718: DEBUG/dalvikvm(9169): GC_CONCURRENT freed 492K, 4% free 15005K/15623K, paused 1ms+4ms
	12-20 20:49:25.070: DEBUG/dalvikvm(9169): GC_CONCURRENT freed 418K, 5% free 14981K/15623K, paused 1ms+4ms
	12-20 20:49:25.429: DEBUG/dalvikvm(9169): GC_CONCURRENT freed 401K, 5% free 14975K/15623K, paused 1ms+4ms
	12-20 20:49:25.914: DEBUG/dalvikvm(9169): GC_CONCURRENT freed 390K, 5% free 14969K/15623K, paused 2ms+4ms
	12-20 20:49:39.968: INFO/ActivityManager(175): Process com.example (pid 9169) has died.
	(b) deleted
	OB (2)
\	jb@android.com <jb@android.com></jb@android.com>
)	
	Status: Won't Fix (Obsolete)
	re Comellary us Comellary #40
)	ra@gmail.com <ra@gmail.com><u>#10</u></ra@gmail.com>

I can confirm finding a very similar behavior in my app. My conclusions are that if you try to run javascript in the onActivityResult event all further javascript calls will not be made anymore ar file is chosen using a file picker.

Curiously enough, if I place a breakpoint before calling the js, in onActivityResult and then continue execution, everything works fine. I tried making the javascript call on a different thread usi

mo...@gmail.com <mo...@gmail.com> #11

From issue 273883685 on 22.03.2023:

1. androidx. window. extensions is loaded dynamically. It is declared as a dependency using the <uses-library> tag https://cs.android.com/androidx/platform/frameworks/support/+ main:window/window/src/main/AndroidManifest.xml;drc=dcfa035a961fd1daabb7dcccf97d77fa2a006abf;l=21

What do you mean by "What are the rules for integrating this JAR file?" It is shipped on device.

2. It is up to the OEM to provide the androids, window, extensions, jar and it should not be linked in any app. OEMs are required to include androids, window, extensions for some de