

Bug Report

The bug i want to show you is related to the following library for android:

- `com.github.barteksc`—2.8.2

The **bug** is that:

- *loading pdf view in background doesn't show pdf (the view is blank)*

Note: i found this bug only in android 5.0 and 6.0. In android 8.0 the background loading is perfect. (I haven't tried with other android versions).

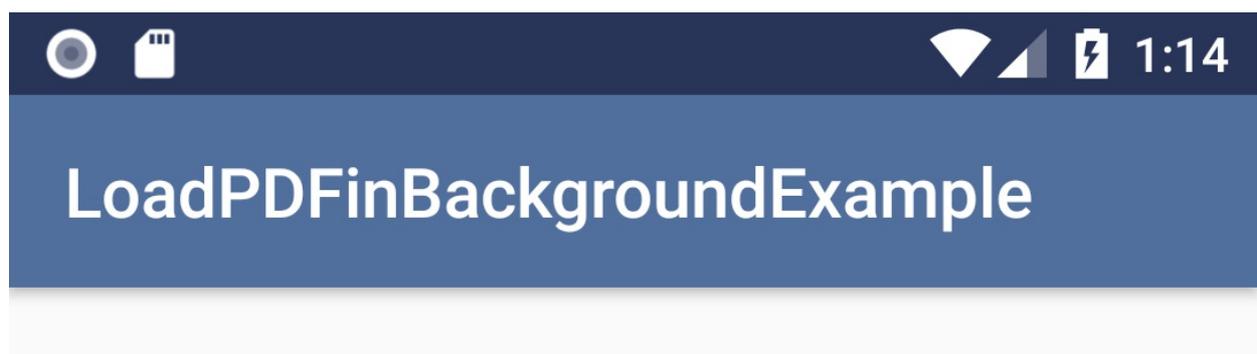
Note: the loading is perfect if it is not performed in background

Introduction

To allow you a better debug i have created a simple project to show you the bug. The project is made of:

- **MainActivity** with 2 buttons:
 - i. load pdf from assets folder
 - ii. load pdf from internal storage
- **PdfActivity**: in which the PDFView it will be loaded
- **PdfLoaderTask**: AsyncTask which performs the pdf loading in background

The tests are made with emulated devices with android 6.0 and android 8.0. In the following tests i load pdf file from assets folder and from internal storage.



LOAD FROM ASSET

LOAD FROM INTERNAL STORAGE



1. Test with Android 6.0

The device i have used is emulated (but i have also found this bug on my ASUS_Z00LD with android 5.0.2). It has the following features:

- Name: Nexus_6_API_23
- CPU/ABI: Google APIs Intel Atom (x86)
- Skin: 1440x2560
- hw.dPad: no
- hw.lcd.height: 2560
- runtime.network.speed: full
- hw.accelerometer: yes
- hw.device.name: Nexus 6
- vm.heapSize: 64
- skin.dynamic: yes
- hw.device.manufacturer: Google
- hw.lcd.width: 1440
- hw.gps: yes
- hw.initialOrientation: Portrait
- skin.path.backup: _no_skin
- image.androidVersion.api: 23
- hw.audioInput: yes
- image.sysdir.1: system-images/android-23/google_apis/x86/
- tag.id: google_apis
- showDeviceFrame: no
- hw.camera.back: webcam0
- hw.mainKeys: no
- AvdId: Nexus_6_API_23
- hw.camera.front: webcam0
- hw.lcd.density: 560
- avd.ini.displayname: Nexus 6 API 23
- hw.gpu.mode: auto
- hw.device.hash2: MD5:984dbf66b1aaafcdb7e89573ffb74b46
- hw.ramSize: 1536
- hw.trackBall: no
- PlayStore.enabled: false
- hw.battery: yes
- hw.sdCard: yes
- tag.display: Google APIs
- runtime.network.latency: none
- hw.keyboard: no
- hw.sensors.proximity: yes

- disk.dataPartition.size: 800M
- hw.sensors.orientation: yes
- avd.ini.encoding: UTF-8
- hw.gpu.enabled: yes

1.1. Loading From Assets Folder

- **Background Loading:** the logcat is the following:

```

Logcat
Emulator Nexus_6_API_23 Arc | it.ltdv.loadpdfinbackgroundex | Verbose | Q* | Regex | Show only selected application
04-04 13:10:29.542 5497-5535/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaaa046f0)
----- beginning of system
04-04 13:10:29.561 5497-5549/it.ltdv.loadpdfinbackgroundex I/PdfLoaderTask: Loading from assets: loremipsum.pdf
04-04 13:10:29.677 5497-5535/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaaa046f0)
04-04 13:10:29.678 5497-5535/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaaa046f0)
04-04 13:10:29.787 5497-5497/it.ltdv.loadpdfinbackgroundex I/PdfLoaderTask: PDF file loaded
04-04 13:10:29.822 5497-5535/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaaa046f0)
04-04 13:10:29.856 5497-5535/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaaa046f0)
04-04 13:10:29.880 5497-5535/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaaa046f0)
04-04 13:10:29.982 5497-5535/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaaa046f0)
04-04 13:10:29.936 5497-5535/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaaa046f0)
04-04 13:10:29.937 5497-5535/it.ltdv.loadpdfinbackgroundex E/Surface: getSlotFromBufferLocked: unknown buffer: 0xaa16e540
04-04 13:10:29.945 5497-5535/it.ltdv.loadpdfinbackgroundex D/OpenGLRenderer: endAllStagingAnimators on 0xaa152a180 (RippleDrawable) with handle 0xaa15ba0e0
  
```

- **Main Thread Loading:** the logcat is the following:

```

Logcat
Emulator Nexus_6_API_23 Arc | it.ltdv.loadpdfinbackgroundex | Verbose | Q* | Regex | Show only selected application
04-04 13:22:35.973 6083-6149/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
----- beginning of system
04-04 13:22:35.992 6083-6083/it.ltdv.loadpdfinbackgroundex I/PdfActivity: Loading from assets: loremipsum.pdf
04-04 13:22:36.211 6083-6149/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.212 6083-6149/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.278 6083-6179/it.ltdv.loadpdfinbackgroundex D/jniPdfium: Init FPDF library
04-04 13:22:36.306 6083-6149/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.346 6083-6149/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.429 6083-6149/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.461 6083-6149/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.475 6083-6149/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.476 6083-6149/it.ltdv.loadpdfinbackgroundex E/Surface: getSlotFromBufferLocked: unknown buffer: 0xaaa89140
04-04 13:22:36.489 6083-6149/it.ltdv.loadpdfinbackgroundex D/OpenGLRenderer: endAllStagingAnimators on 0xaa148f80 (RippleDrawable) with handle 0xaa1623e00
04-04 13:22:36.798 6083-6149/it.ltdv.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
  
```

1.2. Loading From Internal Storage

- **Background Loading:** the logcat is the following:

```

Logcat
Emulator Nexus_6_API_23 Anc | it.ltdev.loadpdfinbackgroundex | Verbose | Q* | Regex | Show only selected application
04-04 13:12:53.169 5497-5497/it.ltdev.loadpdfinbackgroundex I/MainActivity: PDF Path = /data/user/0/it.ltdev
.loadpdfinbackgroundexample/files/loadPdfTest/pdfs/loremipsum.pdf
----- beginning of system
04-04 13:12:53.210 5497-5552/it.ltdev.loadpdfinbackgroundex I/PdfLoaderTask: Loading from storage: /data/user/0/it.ltdev
.loadpdfinbackgroundexample/files/loadPdfTest/pdfs/loremipsum.pdf
PDF file exists = true
04-04 13:12:53.360 5497-5535/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaa046f0)
04-04 13:12:53.361 5497-5535/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaa046f0)
04-04 13:12:53.398 5497-5497/it.ltdev.loadpdfinbackgroundex I/PdfLoaderTask: PDF file loaded
04-04 13:12:53.467 5497-5535/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaa046f0)
04-04 13:12:53.504 5497-5535/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaa046f0)
04-04 13:12:53.561 5497-5535/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaa046f0)
04-04 13:12:53.610 5497-5535/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaa046f0)
04-04 13:12:53.631 5497-5535/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xaa3cef80: ver 2 0 (tinfo 0xaa046f0)
04-04 13:12:53.631 5497-5535/it.ltdev.loadpdfinbackgroundex E/Surface: getSlotFromBufferLocked: unknown buffer: 0xaa16e5e0
04-04 13:12:53.645 5497-5535/it.ltdev.loadpdfinbackgroundex D/OpenGLRenderer: endAllStagingAnimators on 0xa195ce00 (RippleDrawable) with handle
0xa15b1b0

```

- **Main Thread Loading:** the logcat is the following:

```

Logcat
Emulator Nexus_6_API_23 Anc | it.ltdev.loadpdfinbackgroundex | Verbose | Q* | Regex | Show only selected application
04-04 13:22:35.973 6083-6149/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
----- beginning of system
04-04 13:22:35.992 6083-6083/it.ltdev.loadpdfinbackgroundex I/PdfActivity: Loading from assets: loremipsum.pdf
04-04 13:22:36.211 6083-6149/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.212 6083-6149/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.278 6083-6179/it.ltdev.loadpdfinbackgroundex D/jniPdfium: Init FPDF library
04-04 13:22:36.306 6083-6149/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.346 6083-6149/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.429 6083-6149/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.461 6083-6149/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)
04-04 13:22:36.476 6083-6149/it.ltdev.loadpdfinbackgroundex E/Surface: getSlotFromBufferLocked: unknown buffer: 0xaa89140
04-04 13:22:36.489 6083-6149/it.ltdev.loadpdfinbackgroundex D/OpenGLRenderer: endAllStagingAnimators on 0xaa148f80 (RippleDrawable) with handle
0xa1623e00
04-04 13:22:36.798 6083-6149/it.ltdev.loadpdfinbackgroundex D/EGL_emulation: eglMakeCurrent: 0xae3d4900: ver 2 0 (tinfo 0xae3d2c40)

```

1.3. Results

- **Background Loading:**





- Main Thread Loading



Test document PDF

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Quisque volutpat pharetra tincidunt. Fusce sapien arcu, molestie eget varius egestas, faucibus ac urna. Sed at nisi in velit egestas aliquam ut a felis. Aenean malesuada iaculis nisl, ut tempor lacus egestas consequat. Nam nibh lectus, gravida sed egestas ut, feugiat quis dolor. Donec eu leo enim, non laoreet ante. Morbi dictum tempor vulputate. Phasellus ultricies risus vel augue sagittis euismod. Vivamus tincidunt placerat nisi in aliquam. Cras quis mi ac nunc pretium aliquam. Aenean elementum erat ac metus commodo rhoncus. Aliquam nulla augue, porta non sagittis quis, accumsan vitae sem. Phasellus id lectus tortor, eget pulvinar augue. Etiam eget velit ac purus fringilla blandit. Donec odio odio, sagittis sed iaculis sed, consectetur eget sem. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas accumsan velit vel turpis rutrum in sodales diam placerat.

Quisque luctus ullamcorper velit sit amet lobortis. Etiam ligula felis, vulputate quis rhoncus nec, fermentum eget odio. Vivamus vel ipsum ac augue sodales mollis euismod nec tellus. Fusce et augue rutrum nunc semper vehicula vel semper nisl. Nam laoreet euismod quam at varius. Sed aliquet auctor nibh. Curabitur malesuada fermentum lacus vel accumsan. Duis ornare scelerisque nulla, ac pulvinar ligula tempus sit amet. In placerat nulla ac ante scelerisque posuere. Phasellus at ante felis. Sed hendrerit risus a metus posuere rutrum. Phasellus eu augue dui. Proin in vestibulum ipsum. Aenean accumsan mollis sapien, ut eleifend sem blandit at. Vivamus luctus mi eget lorem lobortis pharetra. Phasellus at tortor quam, a volutpat purus. Etiam sollicitudin arcu vel elit bibendum et imperdiet risus tincidunt. Etiam elit velit, posuere ut pulvinar ac, condimentum eget justo. Fusce a erat velit. Vivamus imperdiet ultrices orci in hendrerit.



2. Test with Android 8.0

The device i have used is emulated. It has the following features:

- Name: One_plus_3T_API_26
- CPU/ABI: Google APIs Intel Atom (x86)
- Target: google_apis [Google APIs] (API level 26)
- Skin: 1080x1920
- SD Card: 100M
- hw.dPad: no
- hw.lcd.height: 1920
- runtime.network.speed: full
- hw.accelerometer: yes
- hw.device.name: One plus 3T
- vm.heapSize: 256
- skin.dynamic: yes
- hw.device.manufacturer: User
- hw.lcd.width: 1080
- hw.gps: yes
- hw.initialOrientation: Portrait
- skin.path.backup: _no_skin
- image.androidVersion.api: 26
- hw.audioInput: yes
- image.sysdir.1: system-images/android-26/google_apis/x86/
- tag.id: google_apis
- showDeviceFrame: no
- hw.camera.back: emulated
- hw.mainKeys: no
- AvdId: One_plus_3T_API_26
- hw.camera.front: emulated
- hw.lcd.density: 480
- avd.ini.displayName: One plus 3T API 26
- hw.gpu.mode: auto
- hw.device.hash2: MD5:1c925b9117dd9f33c5128dac289a0d68
- hw.ramSize: 1536
- hw.trackBall: no
- PlayStore.enabled: false
- fastboot.forceColdBoot: no
- hw.battery: yes
- hw.cpu.ncore: 4
- hw.sdCard: yes
- tag.display: Google APIs

- runtime.network.latency: none
- hw.keyboard: yes
- hw.sensors.proximity: yes
- disk.dataPartition.size: 800M
- hw.sensors.orientation: yes
- avd.ini.encoding: UTF-8
- hw.gpu.enabled: yes

2.1. Loading From Assets Folder

- **Background Loading:** the logcat is the following:

```

Logcat
Emulator One_plus_3T_API_26 | it.ltdev.loadpdfinbackgroundexample | Verbose | Q | Regex | Show only selected application
04-04 13:16:13.060 10756-10921/it.ltdev.loadpdfinbackgroundexample I/PdfLoaderTask: Loading from assets: loremipsum.pdf
04-04 13:16:13.251 10756-10756/it.ltdev.loadpdfinbackgroundexample I/PdfLoaderTask: PDF file loaded
04-04 13:16:13.262 10756-10781/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x9e67dbc0: ver 2 0 (tinfo 0xaa68b650)
04-04 13:16:13.384 10756-10781/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x9e67dbc0: ver 2 0 (tinfo 0xaa68b650)
04-04 13:16:13.414 10756-10924/it.ltdev.loadpdfinbackgroundexample D/jniPdfium: Init FPDF library
04-04 13:16:13.426 10756-10781/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x9e67dbc0: ver 2 0 (tinfo 0xaa68b650)
04-04 13:16:13.437 10756-10781/it.ltdev.loadpdfinbackgroundexample I/chatty: uid=10085(u0_a85) RenderThread identical 1 line
04-04 13:16:13.484 10756-10781/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x9e67dbc0: ver 2 0 (tinfo 0xaa68b650)
04-04 13:16:13.493 10756-10781/it.ltdev.loadpdfinbackgroundexample D/OpenGLRenderer: endAllActiveAnimators on 0x8eea3380 (RippleDrawable) with handle 0x9e8f4450
04-04 13:16:13.502 10756-10781/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x9e67dbc0: ver 2 0 (tinfo 0xaa68b650)
  
```

- **Main Thread Loading:** the logcat is the following:

```

Logcat
Emulator One_plus_3T_API_26 | it.ltdev.loadpdfinbackgroundexample | Verbose | Q | Regex | Show only selected application
04-04 14:36:58.960 4301-4301/it.ltdev.loadpdfinbackgroundexample I/PdfActivity: Loading from assets: loremipsum.pdf
04-04 14:36:59.304 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:36:59.331 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:36:59.363 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:36:59.369 4301-4446/it.ltdev.loadpdfinbackgroundexample D/jniPdfium: Init FPDF library
04-04 14:36:59.381 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:36:59.402 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:36:59.413 4301-4324/it.ltdev.loadpdfinbackgroundexample D/OpenGLRenderer: endAllActiveAnimators on 0x89b55380 (RippleDrawable) with handle 0x990a4d60
04-04 14:36:59.526 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
  
```

2.2. Loading From Internal Storage

- **Background Loading:** the logcat is the following:

```

Logcat
Emulator One_plus_3T_API_26 | it.ltdev.loadpdfinbackgroundex | Verbose | Q
04-04 13:16:56.112 10756-10781/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x9e67dbc0: ver 2 0 (tinfo 0xaa68b650)
04-04 13:16:56.114 10756-10756/it.ltdev.loadpdfinbackgroundexample I/MainActivity: PDF Path = /data/user/0/it.ltdev
.loadpdfinbackgroundexample/files/loadPdfTest/pdfs/loremipsum.pdf
----- beginning of system
04-04 13:16:56.202 10756-10761/it.ltdev.loadpdfinbackgroundexample I/zygote: Do partial code cache collection, code=36KB, data=54KB
After code cache collection, code=36KB, data=54KB
Increasing code cache capacity to 256KB
JIT allocated 56KB for compiled code of void android.view.View.<init>(android.content.Context, android.util.AttributeSet, int, int)
04-04 13:16:56.208 10756-11287/it.ltdev.loadpdfinbackgroundexample I/PdfLoaderTask: Loading from storage: /data/user/0/it.ltdev
.loadpdfinbackgroundexample/files/loadPdfTest/pdfs/loremipsum.pdf
PDF file exists = true
04-04 13:16:56.275 10756-10756/it.ltdev.loadpdfinbackgroundexample I/PdfLoaderTask: PDF file loaded
04-04 13:16:56.353 10756-10781/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x9e67dbc0: ver 2 0 (tinfo 0xaa68b650)
04-04 13:16:56.374 10756-10781/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x9e67dbc0: ver 2 0 (tinfo 0xaa68b650)
04-04 13:16:56.406 10756-11290/it.ltdev.loadpdfinbackgroundexample D/jniPdfium: Init FPDF Library
04-04 13:16:56.438 10756-10781/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x9e67dbc0: ver 2 0 (tinfo 0xaa68b650)
04-04 13:16:56.468 10756-10781/it.ltdev.loadpdfinbackgroundexample D/OpenGLRenderer: endAllActiveAnimators on 0x8edc0b00 (RippleDrawable) with handle
0x9e623d70

```

- **Main Thread Loading:** the logcat is the following:

```

Logcat
Emulator One_plus_3T_API_26 | it.ltdev.loadpdfinbackgroundex | Verbose | Q
04-04 14:37:43.553 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:37:43.555 4301-4301/it.ltdev.loadpdfinbackgroundexample I/MainActivity: PDF Path = /data/user/0/it.ltdev
.loadpdfinbackgroundexample/files/loadPdfTest/pdfs/loremipsum.pdf
----- beginning of system
04-04 14:37:43.591 4301-4308/it.ltdev.loadpdfinbackgroundexample I/zygote: Do partial code cache collection, code=38KB, data=55KB
04-04 14:37:43.592 4301-4308/it.ltdev.loadpdfinbackgroundexample I/zygote: After code cache collection, code=38KB, data=55KB
Increasing code cache capacity to 256KB
JIT allocated 56KB for compiled code of void android.view.View.<init>(android.content.Context, android.util.AttributeSet, int, int)
04-04 14:37:43.597 4301-4301/it.ltdev.loadpdfinbackgroundexample I/PdfActivity: Loading from storage: /data/user/0/it.ltdev
.loadpdfinbackgroundexample/files/loadPdfTest/pdfs/loremipsum.pdf
04-04 14:37:43.598 4301-4301/it.ltdev.loadpdfinbackgroundexample I/PdfActivity: PDF file exists = true
04-04 14:37:43.744 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:37:43.763 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:37:43.798 4301-4825/it.ltdev.loadpdfinbackgroundexample D/jniPdfium: Init FPDF Library
04-04 14:37:43.815 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:37:43.828 4301-4324/it.ltdev.loadpdfinbackgroundexample I/chatty: uid=10085(u0_a85) RenderThread identical 1 line
04-04 14:37:43.873 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)
04-04 14:37:43.879 4301-4324/it.ltdev.loadpdfinbackgroundexample D/OpenGLRenderer: endAllActiveAnimators on 0x89aa4680 (RippleDrawable) with handle 0x89a7e800
04-04 14:37:43.894 4301-4324/it.ltdev.loadpdfinbackgroundexample D/EGL_emulation: eglMakeCurrent: 0x990fc060: ver 2 0 (tinfo 0xa510b0b0)

```

2.3. Results

- **Background & Main Thread Loading:**



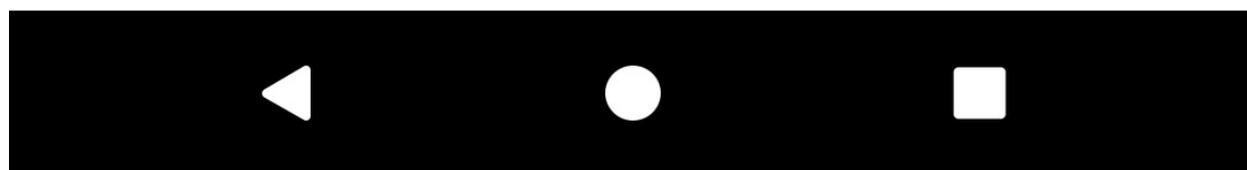
Test document PDF

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla est purus, ultrices in porttitor in, accumsan non quam. Nam consectetur porttitor rhoncus. Curabitur eu est et leo feugiat auctor vel quis lorem. Ut et ligula dolor, sit amet consequat lorem. Aliquam porta eros sed velit imperdiet egestas. Maecenas tempus eros ut diam ullamcorper id dictum libero tempor. Donec quis augue quis magna condimentum lobortis. Quisque imperdiet ipsum vel magna viverra rutrum. Cras viverra molestie urna, vitae vestibulum turpis varius id.

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Conclusions

As you can see in the logcats, when the loading is performed in background, the "FPDF library" is not initialized, so the PDF is not showed. Infact, there isn't the following log:

- *D/jniPdfium: Init FPDF library*

I hope this can be useful to solve the bug. Thank you for this wonderful library!

Developer Infos

- **Project Name:** loadpdfinbackgroundexample
- **Author:** LT Dev
- **Email:** develtar@gmail.com
- **Library Version:** com.github.barteksc=2.8.2