

iBotPeaches / Apktool Public[Code](#) [Issues](#) 76 [Pull requests](#) 4 [Discussions](#) [Actions](#) [Security and](#)

refactor: Improve renaming/injection of resources in stripped APKs #4041

Merged

iBotPeaches merged 7 commits into `iBotPeaches:main` from `IgorEisberg:obfu-fix` on Dec 12, 2025

[Conversation](#) 15 [Commits](#) 7 [Checks](#) 18 [Files changed](#) 24

IgorEisberg commented on Dec 9, 2025 • edited

Collaborator

Fixes: [#4029](#)

- Strict entry spec naming ensures that invalid entry names (incl. attempts of directory traversal) are replaced.
- Inject generic entries for missing resources to ensure that stripped APKs can be recompiled without any changes. Most often: missing attributes or missing ID resources for `enum / flag` attribute items.
- Fill in stripped `attr` formats according to actual usage to ensure that stripped APKs can be recompiled without any changes.
- Default resolve mode changed to `KEEP` (instead of `REMOVE`), otherwise stripped APKs can't be recompiled. `DUMMY` mode can still be used to include unused dummy resources (rarely useful). `REMOVE` mode can still be used to ignore missing resources altogether (rarely useful). Output for non-stripped APKs is already identical between all of the modes.
- The rest is just style and micro-optimization.




[refactor: Impove renaming/injection of resources in stripped APKs](#) ... ✓ [4452004](#)

[IgorEisberg](#) mentioned this pull request on Dec 9, 2025

[Fixed: Missing Attribute & isDummy Mode #4039](#)

Closed

[IgorEisberg](#) added 3 commits [4 months ago](#)

-  [unused imports](#) ✓ [d6cb995](#)
-  [hyphen is allowed in resource name](#) ✓ [3fec17a](#)
-  [tweak for performance](#) ✓ [c6c95a5](#)

TechnoIndian555 commented on [Dec 9, 2025](#)

- Strict entry spec naming ensures that invalid entry names (incl. attempts of directory traversal) are replaced.
- Inject generic entries for missing resources to ensure that stripped APKs can be recompiled without any changes. Normally, missing attributes or missing ID resources for `enum / flag` attribute items.
- Default resolve mode changed to `KEEP` (instead of `REMOVE`), otherwise stripped APKs can't be recompiled. `DUMMY` mode can still be used to include unused dummy resources (rarely useful). `REMOVE` mode can still be used to ignore missing resources altogether (rarely useful). Output for non-stripped APKs is already identical between all of the modes.
- The rest is just style and micro-optimization.

Brother, okay, I was right, there was a problem. Actually, I have limited resources because I don't have a PC, and I had to repeatedly build and recheck the jar on my phone. That's why you were able to do it in 1-2 days, but it took me 7-8 days, and I don't know how many builds I did. At one point, I thought of giving up, but then I thought I should at least send you what I've done so you get an idea of the problem, because nowadays most APKs are obfuscated, so this change was important. By the way, you could have created an independent aapt tool like ARSCLib, but it's good to see that you're still based on Google's official AOSP aapt. 😊

I have a humble request: could you please add "aapt2" for Android as well?

Source

<https://github.com/Maximoff/binaries/blob/main/bin/arm64-v8a/sdk35/aapt2>

OR

<https://github.com/TechnoIndian/aapt2/releases/download/main/aapt2-arm64-v8a>

IgorEisberg commented on [Dec 9, 2025](#)

Collaborator

Author

- Strict entry spec naming ensures that invalid entry names (incl. attempts of directory traversal) are replaced.

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OR

<https://github.com/TechnoIndian/aapt2/releases/download/main/aapt2-arm64-v8a>

@iBotPeaches manages the aapt2 binaries separately. Can't help with that.

  [redundant_check](#)

✓ [@0eeae7a](#)

  **IgorEisberg** requested a review from **iBotPeaches** [4 months ago](#)

 **iBotPeaches** previously approved these changes [on Dec 9, 2025](#)

[View reviewed changes](#)

 **iBotPeaches** left a comment

Owner

Before we cut v3, I want to test out the CVE apks I got from the traversal problems to be sure thats still good.

TechnoIndian555 commented on [Dec 10, 2025](#) • edited ▾

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Haha, I tried forking your repo, and it's mostly working on all those obfuscated APKs where attributes were missing. But did you forget to include the missing format (or rather, the format that was forcefully added to the resource files) in the already existing attributes?

PACKAGE NAME - `com.whatsapp`

APK LINK - [Whatsapp](#)

Decompile Logs

```
~ $ java -jar apktool-fix.jar d com.whatsapp.apk -f -s
I: Using Apktool 3.0.0-dirty on com.whatsapp.apk with 8 threads
I: Copying raw classes.dex file...
I: Copying raw classes2.dex file...
I: Copying raw classes3.dex file...
I: Copying raw classes4.dex file...
I: Copying raw classes5.dex file...
I: Copying raw classes6.dex file...
I: Copying raw classes7.dex file...
I: Copying raw classes8.dex file...
I: Loading resource table...
I: Decoding value resources...
I: Loading resource table from file:
/data/data/com.termux/files/home/.local/share/apktool/framework/1.apk
I: Decoding file resources...
I: Generating values XMLs...
I: Decoding AndroidManifest.xml with resources...
I: Copying original files...
I: Copying assets...
I: Copying lib...
I: Copying unknown files...
```



Recompile Logs

```
~ $ java -jar apktool-fix.jar b com.whatsapp -f --aapt ./aapt2
I: Using Apktool 3.0.0-dirty on com.whatsapp.apk with 8 threads
I: Copying raw classes.dex file...
I: Copying raw classes2.dex file...
I: Copying raw classes3.dex file...
I: Copying raw classes4.dex file...
I: Copying raw classes5.dex file...
I: Copying raw classes6.dex file...
I: Copying raw classes7.dex file...
I: Copying raw classes8.dex file...
I: Building resources with aapt2...
W: /data/data/com.termux/files/home/com.whatsapp/res/drawable/mtrl_switch_thumb.xml:6:
error: 'true' is incompatible with attribute APKTOOL_RENAMED_0x7f040b6b (attr) color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0264.xml:6:
error: '1' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0265.xml:7:
error: '0' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0272.xml:2:
error: '1' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0308.xml:5:
error: '0' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0352.xml:13:
error: '2' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e036b.xml:10:
error: '2' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e03fa.xml:5:
error: '1' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0424.xml:5:
error: '0' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e05b8.xml:9:
error: '2' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e05ba.xml:9:
error: '2' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e060d.xml:7:
error: '1' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
```

```

reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e07b1.xml:13:
error: '2' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e085c.xml:11:
error: '2' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0982.xml:19:
error: '2' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e09c1.xml:4:
error: '1' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0b12.xml:9:
error: '2' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0c21.xml:4:
error: '1' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0c36.xml:35:
error: '1' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
W:
/data/data/com.termux/files/home/com.whatsapp/res/layout/APKTOOL_RENAMED_0x7f0e0cc0.xml:15:
error: '2' is incompatible with attribute APKTOOL_RENAMED_0x7f04085d (attr)
reference|color.
Exception in thread "main" brut.androlib.exceptions.AndrolibException:
brut.common.BrutException: Execution failed (exit code = 1): [./aapt2, link, -o,
/data/data/com.termux/files/usr/tmp/APKTOOL8759706718132590351.tmp, --manifest,
/data/data/com.termux/files/home/com.whatsapp/AndroidManifest.xml, --min-sdk-version, 21,
--target-sdk-version, 35, --version-code, 253674010, --version-name, 2.25.36.74, --
package-id, 127, --no-auto-version, --no-version-vectors, --no-version-transitions, --no-
resource-deduping, --no-compile-sdk-metadata, --warn-manifest-validation, -I,
/data/data/com.termux/files/home/.local/share/apktool/framework/1.apk,
/data/data/com.termux/files/home/com.whatsapp/build/resources.zip]
    at brut.androlib.res.AaptInvoker.invoke(SourceFile:192)
    at brut.androlib.ApkBuilder.buildResources(SourceFile:320)
    at brut.apktool.Main.main(SourceFile:95)
Caused by: brut.common.BrutException: Execution failed (exit code = 1): [./aapt2, link, -
o, /data/data/com.termux/files/usr/tmp/APKTOOL8759706718132590351.tmp, --manifest,
/data/data/com.termux/files/home/com.whatsapp/AndroidManifest.xml, --min-sdk-version, 21,
--target-sdk-version, 35, --version-code, 253674010, --version-name, 2.25.36.74, --
package-id, 127, --no-auto-version, --no-version-vectors, --no-version-transitions, --no-
resource-deduping, --no-compile-sdk-metadata, --warn-manifest-validation, -I,
/data/data/com.termux/files/home/.local/share/apktool/framework/1.apk,
/data/data/com.termux/files/home/com.whatsapp/build/resources.zip]
    at brut.util.OS.exec(SourceFile:148)
    at brut.androlib.res.AaptInvoker.invoke(SourceFile:188)
    ... 2 more

```

mtrl_switch_thumb.xml

(1) UTF-8

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <animated-selector android:height="@dimen/APKTOOL_RENAMED_0x7f07095a" ↗
  ↘ android:width="@dimen/APKTOOL_RENAMED_0x7f07095a"
3   xmlns:android="http://schemas.android.com/apk/res/android" xmlns:app= ↗
  ↘ "http://schemas.android.com/apk/res-auto">
4   <item android:state_pressed="true" android:id="@id/pressed" ↗
  ↘ android:drawable="@drawable/mtrl_switch_thumb_pressed" />
5   <item android:state_checked="true" android:id="@id/checked" ↗
  ↘ android:drawable="@drawable/mtrl_switch_thumb_checked" />
6   <item android:id="@id/with_icon" android:drawable="@drawable/ ↗
  ↘ mtrl_switch_thumb_checked" app:APKTOOL_RENAMED_0x7f040b6b="true" />
7   <item android:id="@id/unchecked" android:drawable="@drawable/ ↗
  ↘ mtrl_switch_thumb_unchecked" />
8   <transition android:drawable="@drawable/ ↗
  ↘ mtrl_switch_thumb_pressed_checked" android:told="@id/checked" ↗
  ↘ android:fromId="@id/pressed" />
9   <transition android:drawable="@drawable/ ↗
  ↘ mtrl_switch_thumb_pressed_checked" android:told="@id/with_icon" ↗
  ↘ android:fromId="@id/pressed" />
10  <transition android:drawable="@drawable/ ↗
  ↘ mtrl_switch_thumb_pressed_unchecked" android:told="@id/unchecked" ↗
  ↘ android:fromId="@id/pressed" />
```

→ / + - * = < >

Find APKTOOL_RENAMED_0x7f040b6b

PREV

NEXT

REP

ALL

⋮

attrs.xml (1) UTF-8

```

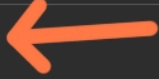
3731 <attr name="APKTOOL_RENAMED_0x7f040b6a" format="color" />
3732 <attr name="APKTOOL_RENAMED_0x7f040b6b" format="color" />
3733 <attr name="APKTOOL_RENAMED_0x7f040b6c" format="color" />
3734 <attr name="APKTOOL_RENAMED_0x7f040b6d" format="color" />
3735 <attr name="APKTOOL_RENAMED_0x7f040b6e" format="color" />
3736 <attr name="APKTOOL_RENAMED_0x7f040b6f" format="color" />
3737 <attr name="APKTOOL_RENAMED_0x7f040b70" format="color" />
3738 <attr name="APKTOOL_RENAMED_0x7f040b71" format="color" />
3739 <attr name="APKTOOL_RENAMED_0x7f040b72" format="color" />
3740 <attr name="APKTOOL_RENAMED_0x7f040b73" format="color" />
3741 <attr name="APKTOOL_RENAMED_0x7f040b74" format="color" />
3742 <attr name="APKTOOL_RENAMED_0x7f040b75" format="color" />
3743 <attr name="APKTOOL_RENAMED_0x7f040b76" format="color" />
3744 <attr name="APKTOOL_RENAMED_0x7f040b77" format="color" />
3745 <attr name="APKTOOL_RENAMED_0x7f040b78" format="color" />
3746 <attr name="APKTOOL_RENAMED_0x7f040b79" format="color" />
3747 <attr name="APKTOOL_RENAMED_0x7f040b7a" format="color" />
    reference" />
3748 <attr name="APKTOOL_RENAMED_0x7f040b7b" format="color" />
3749 <attr name="APKTOOL_RENAMED_0x7f040b7c" format="color" />

```

boolean

Find APKTOOL_RENAMED_0x7f040b6b


PREV NEXT REP ALL

APKTOOL_RENAMED_0x7f0e0...  (1) UTF-8

```
6 <com.whatsapp.wds.components.button.WDSButtonGroup </>
  android:layout_width="match_parent" android:layout_height=
  "wrap_content" android:layout_marginTop="@dimen/
  APKTOOL_RENAMED_0x7f070fe4"
  android:layout_marginBottom="@dimen/
  APKTOOL_RENAMED_0x7f070fe2"
  app:APKTOOL_RENAMED_0x7f04054e="parent"
  app:APKTOOL_RENAMED_0x7f040554="parent"
  app:APKTOOL_RENAMED_0x7f040567="parent"
  app:APKTOOL_RENAMED_0x7f04056a="@id/
  consent_dob_title" app:APKTOOL_RENAMED_0x7f04085d="1">
```

```
7 <com.whatsapp.wds.components.button.WDSButton </>
  android:id="@id/yes_btn" android:layout_width="0.0dp"
  android:layout_height="wrap_content"
  android:layout_marginTop="@dimen/
  APKTOOL_RENAMED_0x7f070fe2"
  android:layout_marginBottom="@dimen/
```

→ / + - * = < >

Find APKTOOL_RENAMED_0x7f04085d ▼ 

PREV NEXT REP ALL :

attrs.xml

(1/1) UTF-8

```
2855 <attr name="APKTOOL_RENAMED_0x7f04085c" format="color|reference" />
2856 <attr name="APKTOOL_RENAMED_0x7f04085d" format="color|reference" />
2857 <attr name="APKTOOL_RENAMED_0x7f04085e" format="reference" />
2858 <attr name="APKTOOL_RENAMED_0x7f04085f" format="dimension|reference" />
2859 <attr name="APKTOOL_RENAMED_0x7f040860" format="color|reference" />
2860 <attr name="APKTOOL_RENAMED_0x7f040861" format="dimension|reference" />
2861 <attr name="APKTOOL_RENAMED_0x7f040862" format="color|reference" />
2862 <attr name="APKTOOL_RENAMED_0x7f040863" format="color|reference" />
2863 <attr name="APKTOOL_RENAMED_0x7f040864" format="color|reference" />
2864 <attr name="APKTOOL_RENAMED_0x7f040865" format="color|reference" />
2865 <attr name="APKTOOL_RENAMED_0x7f040866" format="color|reference" />
2866 <attr name="APKTOOL_RENAMED_0x7f040867" format="reference" />
2867 <attr name="APKTOOL_RENAMED_0x7f040868" format="dimension|reference" />
2868 <attr name="APKTOOL_RENAMED_0x7f040869" format="color|reference" />
2869 <attr name="APKTOOL_RENAMED_0x7f04086a" format="dimension|reference" />
2870 <attr name="APKTOOL_RENAMED_0x7f04086b" format="color|reference" />
2871 <attr name="APKTOOL_RENAMED_0x7f04086c" format="color|reference" />
2872 <attr name="APKTOOL_RENAMED_0x7f04086d" format="color|reference" />
2873 <attr name="APKTOOL_RENAMED_0x7f04086e" format="color|reference" />
2874 <attr name="APKTOOL_RENAMED_0x7f04086f" format="color|reference" />
2875 <attr name="APKTOOL_RENAMED_0x7f040870" format="color|reference" />
2876 <attr name="APKTOOL_RENAMED_0x7f040871" format="color|reference" />
2877 <attr name="APKTOOL_RENAMED_0x7f040872" format="color" />
2878 <attr name="APKTOOL_RENAMED_0x7f040873" format="color" />
```

→ **Integer** + - * = < >Find APKTOOL_RENAMED_0x7f04085d

PREV

NEXT

REP

ALL

⋮

IgorEisberg commented on Dec 10, 2025 • edited

Collaborator

Author

Haha, I tried forking your repo, and it's mostly working on all those obfuscated APKs where attributes were missing. But did you forget to include the missing format (or rather, the format that was forcefully added to the resource files) in the already existing attributes?

I didn't forget anything. I tested with the 3 APKs you mentioned: `com.musixmatch.android.lyrify`, `com.orange.mobinilandme`, `com.kaliranaapp.edu`.

Now you're bringing up `com.whatsapp` with a totally different issue.

Renamed resources are just renamed, not modified.

Out of what data do you expect formats to be forcefully fixed? Thin air? Lucky-guessing?

```
aapt2 dump resources com.whatsapp.apk
```

```
...
  resource 0x7f040b6b attr/(name removed)
    () (attr) type=color
...
```

```
aapt2 dump xmltree --file res/ev1.xml com.whatsapp.apk
```

```
...
  A: http://schemas.android.com/apk/res-auto:state_with_icon(0x7f040b6b)=true
...
```

The only proper hack would be to make `ResAttribute.mType` mutable (i.e. not final) and then translating `valueType` in `BinaryXmlResourceParser.getAttributeValue` to `ResAttribute.TYPE_*` flags and toggling them in `((ResAttribute) nameDefValue).mType`. This could allow the APK to be rebuilt but the `color` format will still be a "valid" format for the attribute (since we can't arbitrarily remove flags).

😬 1

  [ensure attrs support formats based on usage](#) ...

✓ [e24e308](#)

✗  [IgorEisberg](#) dismissed [iBotPeaches's stale review](#) via [e24e308](#) [4 months ago](#)

[IgorEisberg](#) commented [on Dec 10, 2025](#)

Collaborator

Author

[@TechnoIndian555](#) try the latest commit.

  [IgorEisberg](#) requested a review from [iBotPeaches](#) [4 months ago](#)

[TechnoIndian555](#) commented [on Dec 10, 2025](#)

@TechnoIndian555 try the latest commit.

Nice, now it's working successfully 😊

iBotPeaches previously approved these changes [on Dec 10, 2025](#)

[View reviewed changes](#)

HassanMirza01 commented [on Dec 10, 2025](#)

@TechnoIndian555 try the latest commit.

Nice, now it's working successfully 😊

bro can you check this app too? as you said its working but with latest commit, its still missing format, check resource APKTOOL_DUMMY_0x7f040880 and see attrs.xml for it,

<https://drive.google.com/file/d/1LYkJZlvByUbTQKKSJW6PuWVqXBM1Fr8q/view?usp=sharing>

IgorEisberg commented [on Dec 10, 2025](#)

Collaborator

Author

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<https://drive.google.com/file/d/1LYkJZlvByUbTQKKSJW6PuWVqXBM1Fr8q/view?usp=sharing>

1. There's no reason to use `dummy` mode, it causes unnecessary and sometimes unexpected output.
2. There's no problem with the APK you provided. The format is not missing, injected generic attrs use `TYPE_ANY`, which means the `format` attribute is unspecified, and the value format is unrestricted.

HassanMirza01 commented [on Dec 10, 2025](#)

@TechnoIndian555 try the latest commit.

Nice, now it's working successfully 😊

bro can you check this app too? as you said its working but with latest commit, its still missing format, check resource APKTOOL_DUMMY_0x7f040880 and see attrs.xml for it,

<https://drive.google.com/file/d/1LYkJZlvByUbTQKKSJW6PuWVqXBM1Fr8q/view?usp=sharing>

1. There's no reason to use `dummy` mode, it causes unnecessary and sometimes unexpected output.
2. There's no problem with the APK you provided. The format is not missing, injected generic attrs use `TYPE_ANY`, which means the `format` attribute is unspecified, and the value format is unrestricted.

i use keep res mode but used dummy just to show here or reach exactly at the point i was asking for, wont there be an issue if format should be float and it assign TYPE_ANY to it?

IgorEisberg commented on Dec 10, 2025 • edited

Collaborator

Author

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In all multi-format cases, a value's type is determined automatically by a predetermined order of priority:

https://android.googlesource.com/platform/frameworks/base+/refs/tags/android-16.0.0_r4/tools/aapt2/ResourceUtils.cpp#621

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The `string` format is used as a last resort, if the value didn't match any of the other formats, and only if allowed:

https://android.googlesource.com/platform/frameworks/base+/refs/tags/android-16.0.0_r4/tools/aapt2/link/ReferenceLinker.cpp#164



HassanMirza01 commented on Dec 10, 2025

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IgorEisberg commented on Dec 10, 2025 • edited ▾

Collaborator

Author

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The attr's type/format is `ResAttribute.TYPE_ANY` ("any" in `aapt2 dump resources`), which means unrestricted.

Analyze the actual XML file that uses the attr, you'll see that the attribute's value was encoded as

`TypedValue.TYPE_FLOAT`.

Those are different unrelated sets of `TYPE_*` values. One is a bit field only used by `ResAttribute`, the other is basically an enum:

https://android.googlesource.com/platform/frameworks/base+/refs/tags/android-16.0.0_r4/core/java/android/util/TypedValue.java#35



1

handle edge case: enum/flags that also support integer format ✓ [e41700a](#)

IgorEisberg dismissed **iBotPeaches**'s [stale review](#) via [e41700a](#) [4 months ago](#)

IgorEisberg requested a review from **iBotPeaches** [4 months ago](#)

IgorEisberg commented [on Dec 11, 2025](#)

[Collaborator](#)[Author](#)

I think I covered all cases now. Tested on large scale, everything as designed.
We can wrap up this PR.

iBotPeaches approved these changes [on Dec 12, 2025](#)

[View reviewed changes](#)

iBotPeaches merged commit **e10a045** into `iBotPeaches:main` [on Dec 12, 2025](#)

18 checks passed

[View details](#)

iBotPeaches added this to the **3.0.0** milestone [on Dec 12, 2025](#)

iBotPeaches added a commit to `iBotPeaches/apktool.org` that referenced this pull request [on Dec 12, 2025](#)

[docs: update changelog for iBotPeaches/Apktool#4041](#)

✓ [c4d7330](#)

  IgorEisberg deleted the `obfu-fix` branch 4 months ago

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Reviewers

 iBotPeaches ✓

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone


3.0.0

Development

Successfully merging this pull request may close these issues.

 **[BUG]** Null style/enum/flag reference warnings in latest SNAPSHOT (v2.12.1-31-9c5b8801) but not in stable 2.12.1

4 participants

