
Android Analysis Report



Demo app
com.idamob.tinkoff.android

Date 2018-06-14

Contents

1	PERMISSIONS	1
2	FINDINGS SUMMARY	2
3	DETAILED FINDINGS	6
3.1	A1:	6
3.2	A2: Electronic Codebook (ECB) used for encryption	6
3.3	A3: Broadcast Receiver (com. appsflyer. MultipleInstallBroadcastReceiver) is not Protected. [android:exported=true]	7
3.4	A4: Broadcast Receiver (ru. tcsbank. mb. ui. deeplink. DeferredDeeplinkingBroadcastReceiver) is not Protected. [android:exported=true]	7
3.5	A5: Broadcast Receiver (ru. tcsbank. mb. push. PushClickedBroadcastReceiver) is not Protected. An intent-filter exists.	8
3.6	A6: Launch Mode of Activity (ru. tcsbank. mb. ui. start. StartActivity) is not standard.	8
3.7	A7: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. SuccessFullScreenActivity) is not standard.	8
3.8	A8: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. UnauthorizedSuccessFullScreenActivity) is not standard.	8
3.9	A9: Launch Mode of Activity (ru. tcsbank. mb. ui. main. MainActivity) is not standard.	9
3.10	A10: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. account. AccountActivity) is not standard.	9
3.11	A11: Launch Mode of Activity (ru. tcsbank. mb. ui. exchangerates. ExchangeRatesActivity) is not standard.	9
3.12	A12: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. account. CardServicesActivity) is not standard.	10
3.13	A13: Launch Mode of Activity (ru. tcsbank. mb. ui. settings. SettingItemActivity) is not standard.	10
3.14	A14: Launch Mode of Activity (ru. tcsbank. mb. ui. payments. PayHubActivity) is not standard.	10
3.15	A15: Activity (ru. tcsbank. mb. ui. payments. PayHubActivity) is not Protected. An intent-filter exists.	10
3.16	A16: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. map. AtmMapActivity) is not standard.	11
3.17	A17: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. map. DepositionPointsMapActivity) is not standard.	11
3.18	A18: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. LoyaltyOffersMapActivity) is not standard.	11
3.19	A19: Launch Mode of Activity (ru. tcsbank. mb. ui. deeplink. DeeplinkingActivity) is not standard.	12
3.20	A20: Activity (ru. tcsbank. mb. ui. deeplink. DeeplinkingActivity) is not Protected. An intent-filter exists.	12
3.21	A21: Service (com. pushserver. android. PushFcmIntentService) is not Protected. An intent-filter exists.	12
3.22	A22: Service (com. pushserver. android. PushInstanceIdListenerService) is not Protected. An intent-filter exists.	12
3.23	A23: Service (com. google. firebase. messaging. FirebaseMessagingService) is not Protected. [android:exported=true]	13

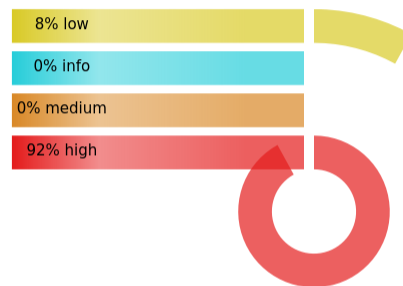
3.24	A24: Service (com. google. firebase. iid. FirebaseInstanceIdService) is not Protected. [android:exported=true]	13
3.25	A25:	13
4	VISUALIZATIONS	15
4.1	Chord Diagram - Class Relations	15
4.2	Hot Spot - System Overview	16

1 PERMISSIONS

Type	List
Normal	ACCESS_NETWORK_STATE INTERNET WAKE_LOCK
Dangerous	CAMERA READ_CONTACTS ACCESS_COARSE_LOCATION ACCESS_FINE_LOCATION RECORD_AUDIO USE_SIP READ_CALL_LOG ADD_VOICEMAIL WRITE_CALL_LOG READ_PHONE_STATE BODY_SENSORS RECEIVE_SMS READ_EXTERNAL_STORAGE WRITE_EXTERNAL_STORAGE
Overprivileged	USE_FINGERPRINT C NFC DOWNLOAD_WITHOUT_NOTIFICATION VIBRATE BLUETOOTH MODIFY_AUDIO_SETTINGS ACCESS_WIFI_STATE RECEIVE
Underprivileged	SYSTEM_ALERT_WINDOW BODY_SENSORS READ_CALL_LOG ADD_VOICEMAIL USE_SIP WRITE_SETTINGS

	WRITE_CALL_LOG
Automatically granted dangerous permissions	WRITE_CONTACTS
	GET_ACCOUNTS
	ANSWER_PHONE_CALLS
	READ_PHONE_NUMBERS
	CALL_PHONE
	PROCESS_OUTGOING_CALLS
	SEND_SMS
	READ_SMS
	RECEIVE_WAP_PUSH
	RECEIVE_MMS

2 FINDINGS SUMMARY



Index	Title	Impact
A1		Low

A2	Electronic Codebook (ECB) used for encryption	High
A3	Broadcast Receiver (com. appsflyer. MultipleInstallBroadcastReceiver) is not Protected. [android:exported=true]	High
A4	Broadcast Receiver (ru. tcsbank. mb. ui. deeplink. DeferredDeeplinkingBroadcastReceiver) is not Protected. [android:exported=true]	High
A5	Broadcast Receiver (ru. tcsbank. mb. push. PushClickedBroadcastReceiver) is not Protected. An intent-filter exists.	High
A6	Launch Mode of Activity (ru. tcsbank. mb. ui. start. StartActivity) is not standard.	High
A7	Launch Mode of Activity (ru. tcsbank. mb. ui. activities. SuccessFullScreenActivity) is not standard.	High
A8	Launch Mode of Activity (ru. tcsbank. mb. ui. activities. UnauthorizedSuccessFullScreenActivity) is not standard.	High
A9	Launch Mode of Activity (ru. tcsbank. mb. ui. main. MainActivity) is not standard.	High
A10	Launch Mode of Activity (ru. tcsbank. mb. ui. activities. account. AccountActivity) is not standard.	High
A11	Launch Mode of Activity (ru. tcsbank. mb. ui. exchangerates. ExchangeRatesActivity) is not standard.	High

A12	Launch Mode of Activity (ru. tcsbank. mb. ui. activities. account. CardServicesActivity) is not standard.	High
A13	Launch Mode of Activity (ru. tcsbank. mb. ui. settings. SettingItemActivity) is not standard.	High
A14	Launch Mode of Activity (ru. tcsbank. mb. ui. payments. PayHubActivity) is not stan- dard.	High
A15	Activity (ru. tcsbank. mb. ui. payments. PayHubActivity) is not Pro- tected. An intent-filter exists.	High
A16	Launch Mode of Activity (ru. tcsbank. mb. ui. activities. map. AtmMapActivity) is not standard.	High
A17	Launch Mode of Activity (ru. tcsbank. mb. ui. activities. map. DepositionPointsMa- pActivity) is not standard.	High
A18	Launch Mode of Activity (ru. tcsbank. mb. ui. activities. LoyaltyOffersMapActivity) is not standard.	High
A19	Launch Mode of Activity (ru. tcsbank. mb. ui. deeplink. DeeplinkingActivity) is not standard.	High
A20	Activity (ru. tcsbank. mb. ui. deeplink. DeeplinkingActivity) is not Protected. An intent-filter exists.	High
A21	Service (com. pushserver. android. PushFcmIntentService) is not Pro- tected. An intent-filter exists.	High

A22	Service (com. pushserver. android. PushInstanceIdListenerService) is not Protected. An intent-filter exists.	High
A23	Service (com. google. firebase. messaging. FirebaseMessagingService) is not Protected. [android:exported=true]	High
A24	Service (com. google. firebase. iid. FirebaseInstanceIdService) is not Protected. [android:exported=true]	High
A25		Low

3 DETAILED FINDINGS

3.1 A1:

Description

Evidence

```
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/arch/lifecycle/f.smaliLandroid/util/Log->w(Ljava/lang/String;
Ljava/lang/String;)
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/e.smaliLandroid/util/Log->e(Ljava/lang/String;
Ljava/lang/String;Ljava/lang/Throwable;)
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/e.smaliLandroid/util/Log->w(Ljava/lang/String;
Ljava/lang/String;)
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/b$b.smaliLandroid/util/Log->w(Ljava/lang/String;
Ljava/lang/String;)
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/b$b.smaliLandroid/util/Log->w(Ljava/lang/String;
Ljava/lang/String;)
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/h.smaliLandroid/util/Log->e(Ljava/lang/String;
Ljava/lang/String;)
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/f.smaliLandroid/util/Log->e(Ljava/lang/String;
Ljava/lang/String;Ljava/lang/Throwable;)
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/f.smaliLandroid/util/Log->w(Ljava/lang/String;
Ljava/lang/String;)
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/a/e.smaliLandroid/util/Log->w(Ljava/lang/String;
Ljava/lang/String;Ljava/lang/Throwable;)
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/e/a.smaliLandroid/util/Log->w(Ljava/lang/String;
Ljava/lang/Throwable;)
```

snip

For the full list view `/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_`
`apps/com_idamob_tinkoff_android/report`

Recommendation

3.2 A2: Electronic Codebook (ECB) used for encryption

Description

Using the same encryption key, in ECB mode data blocks are enciphered individually from each other and cause identical message blocks to be transformed to identical ciphertext blocks. The independency of encrypted blocks also implies that the malicious substitution of a block has no impact on adjacent blocks. As a consequence, data patterns are not well hidden and message confidentiality may be compromised.

On Android, the Cipher API provides access to implementations of cryptographic schemes for the encryption and decryption of arbitrary data. To request an instance of a particular cipher, an application has to invoke the method `getInstance`, passing a suitable transformation string as parameter. Typically, this value is composed of the desired algorithm name, a mode of operation, and the padding scheme to apply. For example, to request an object instance that provides AES in ECB mode with PKCS5 padding, the transformation `AES/ECB/PKCS5Padding` has to be specified.

While it is indispensable to declare the algorithm to use, explicitly setting the mode and padding may be omitted. To fill the gap, the underlying Cryptographic Service Provider (CSP) relies on predefined values that do not necessarily reflect the recommended practice. Precisely, if the transformation indicates no operation mode, ECB mode is put in place. Moreover, the initially described problem with ECB is not limited to a specific cipher, such as AES but affects all symmetric block ciphers. Stream ciphers and asymmetric cryptosystems are not concerned since they do not involve an operation mode to repeatedly encipher blocks of contiguous data.

Evidence

```
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/com/mastercard/mcbp/utls/crypto/CryptoServiceImpl.smali
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/com/mastercard/mcbp/utls/crypto/CryptoServiceImpl.smali
```

Recommendation

It is recommended not to use ECB for encryption. Use an asymmetric encryption algorithm instead

3.3 A3: Broadcast Receiver (com. appsflyer. MultipleInstallBroadcastReceiver) is not Protected. [android:exported=true]

Description

A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.

Recommendation

It is recommended to set the protection level to signature, so only applications signed with the same certificate can obtain the permission.

3.4 A4: Broadcast Receiver (ru. tcsbank. mb. ui. deeplink. DeferredDeeplinkingBroadcastReceiver) is not Protected. [android:exported=true]

Description

A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.

Recommendation

It is recommended to set the protection level to signature, so only applications signed with the same certificate can obtain the permission.

3.5 A5: Broadcast Receiver (ru. tcsbank. mb. push. PushClickedBroadcastReceiver) is not Protected. An intent-filter exists.

Description

A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Broadcast Receiver is explicitly exported.

Recommendation

It is recommended to set the protection level to signature, so only applications signed with the same certificate can obtain the permission.

3.6 A6: Launch Mode of Activity (ru. tcsbank. mb. ui. start. StartActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.7 A7: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. SuccessFullscreenActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.8 A8: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. UnauthorizedSuccessFullscreenActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.9 A9: Launch Mode of Activity (ru. tcsbank. mb. ui. main. MainActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.10 A10: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. account. AccountActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.11 A11: Launch Mode of Activity (ru. tcsbank. mb. ui. exchangerates. ExchangeRatesActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.12 A12: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. account. CardServicesActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.13 A13: Launch Mode of Activity (ru. tcsbank. mb. ui. settings. SettingItemActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.14 A14: Launch Mode of Activity (ru. tcsbank. mb. ui. payments. PayHubActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.15 A15: Activity (ru. tcsbank. mb. ui. payments. PayHubActivity) is not Protected. An intent-filter exists.

Description

A Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity is explicitly exported.

Recommendation

It is recommended to set the protection level to signature, so only applications signed with the same certificate can obtain the permission.

3.16 A16: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. map. AtmMapActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.17 A17: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. map. DepositionPointsMapActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.18 A18: Launch Mode of Activity (ru. tcsbank. mb. ui. activities. LoyaltyOffersMapActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.19 A19: Launch Mode of Activity (ru. tcsbank. mb. ui. deeplink. DeeplinkingActivity) is not standard.

Description

An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent.

Recommendation

It is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

3.20 A20: Activity (ru. tcsbank. mb. ui. deeplink. DeeplinkingActivity) is not Protected. An intent-filter exists.

Description

A Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity is explicitly exported.

Recommendation

It is recommended to set the protection level to signature, so only applications signed with the same certificate can obtain the permission.

3.21 A21: Service (com. pushserver. android. PushFcmIntentService) is not Protected. An intent-filter exists.

Description

A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Service is explicitly exported.

Recommendation

It is recommended to set the protection level to signature, so only applications signed with the same certificate can obtain the permission.

3.22 A22: Service (com. pushserver. android. PushInstanceIdListenerService) is not Protected. An intent-filter exists.

Description

A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Service is explicitly exported.

Recommendation

It is recommended to set the protection level to signature, so only applications signed with the same certificate can obtain the permission.

3.23 A23: Service (com. google. firebase. messaging. FirebaseMessagingService) is not Protected. [android:exported=true]

Description

A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.

Recommendation

It is recommended to set the protection level to signature, so only applications signed with the same certificate can obtain the permission.

3.24 A24: Service (com. google. firebase. iid. FirebaseInstanceIdService) is not Protected. [android:exported=true]

Description

A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.

Recommendation

It is recommended to set the protection level to signature, so only applications signed with the same certificate can obtain the permission.

3.25 A25:

Description

Evidence

```
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/arch/lifecycle/h.smali.forName
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/arch/lifecycle/h.smali.getSuperclass
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/arch/lifecycle/a.smali.getSuperclass
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/arch/lifecycle/a$a.smali.invoke
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/f/b.smali.getComponentType
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/f/h.smali.getComponentType
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/e.smali.forName
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/e.smali.invoke
```



```
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/e.smaliinvoke
/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_
android/app/smali/android/support/v4/a/f.smaliiforName
```

snip

For the full list view `/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_
apps/com_idamob_tinkoff_android/report`

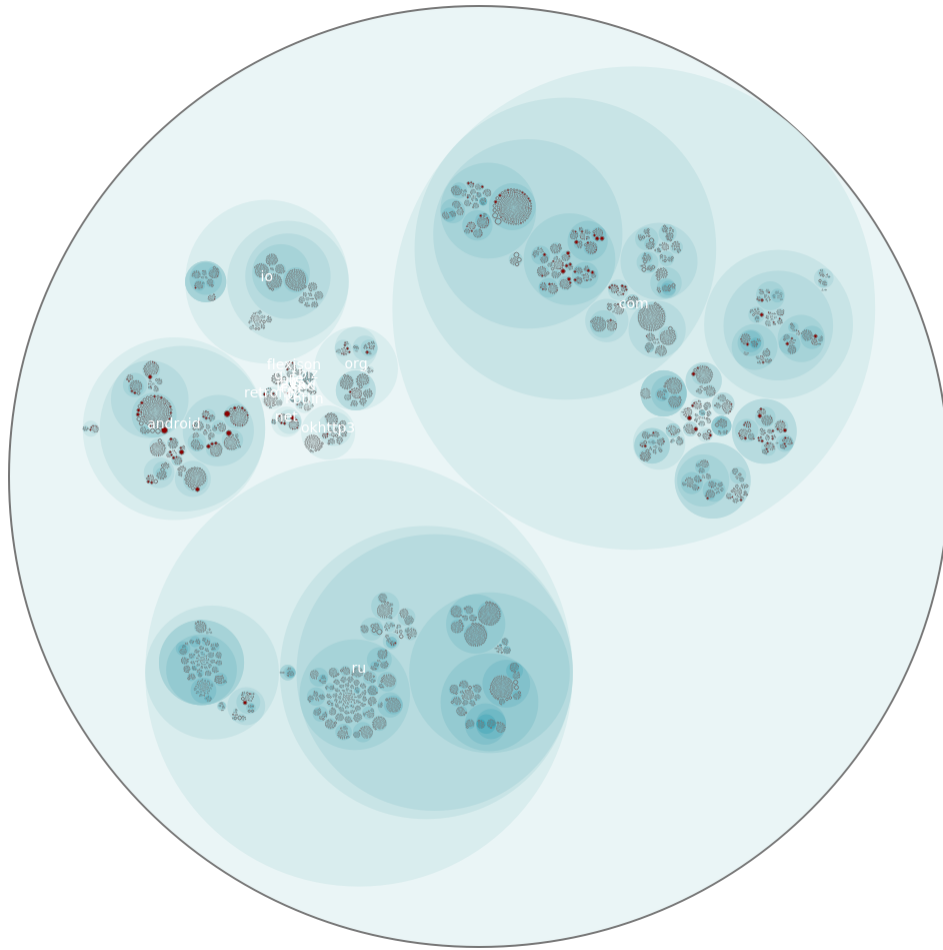


Recommendation

4 VISUALIZATIONS

4.1 Chord Diagram - Class Relations

4.2 Hot Spot - System Overview



Index	Class
1	/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/com/mastercard/mcbp/remotemanagement/mdes/CmsDServiceImpl.smali
2	/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/com/google/firebase/messaging/b.smali
3	/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/com/mastercard/mcbp/remotemanagement/mdes/a.smali
4	/home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/com/zingaya/PhoneAPI.smali

- 5 /home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/com/crashlytics/android/c/l.smali
- 6 /home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/com/mastercard/mcbp/remotemanagement/mcbpV1/CmsServiceImpl.smali
- 7 /home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/com/j256/ormlite/stmt/StatementExecutor.smali
- 8 /home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/android/support/e/a.smali
- 9 /home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/android/support/d/a\$b.smali
- 10 /home/miki/Documents/GITHUB/AndroidPermissions/apks/playstore_apps/com_idamob_tinkoff_android/app/smali/android/support/v7/widget/RecyclerView.smali