# Static Analysis - fakeAV\_ED1E0689F93B0C57E40

## **APP SCORE**

**Average CVSS Score:** 5.3

**App Security Score:** 35/100

**Trackers Detection:** 0/227

#### **FILE INFORMATION**

Name:

 $fake AV\_ED1E0689F93B0C57E403489BB5338F59\_LabelReader.apk$ 

**Size:** 2.37MB

MD5: ed1e0689f93b0c57e403489bb5338f59

**SHA1:** e993933010b85fa7fa4eb23cfd365240ca222c79

SHA256:

2d9225663e69295ef036a04a9393953db0d66fd74955490566e0b099df

# APP INFORMATION

Name: Label\_Reader

Package Name: com.example.androiddefender2

Main Activity: com.example.androiddefender2.MainActivity

Target SDK: 16

Min SDK: 9

**Max SDK:** 

**Android Version Name: 1.0** 

**Android Version Code:** 1

#### PLAY STORE INFORMATION

#### CERTIFICATE

APK is signed

v1 signature: True v2 signature: False v3 signature: False

Found 1 unique certificates

Subject: C=Unknown, ST=Unknown, L=Unknown, O=Unknown, OU=Unl

Signature Algorithm: dsa

Valid From: 2013-08-10 17:15:36+00:00 Valid To: 2040-12-26 17:15:36+00:00

Issuer: C=Unknown, ST=Unknown, L=Unknown, O=Unknown, OU=Unkr

Serial Number: 0x52067538

Hash Algorithm: sha1

md5: 8c1ac87f0d91056c992dbba9f92445fc

sha1: bef7c90edce577a4b04c25d32b452f9b1209a8c7

sha256: 0218aa9ba94f0b1d4d1a781560c2118b3c1cad9efb4bda5198b8sha512: 2cbb4d9b1e5e70b7d7b102e36d6b8a3e64540039c6dd9f8d744

Certificate Status: Bad

**Description:** The app is signed with `SHA1withRSA`. SHA1 hash algoritle

# **PERMISSIONS**

| PERMISSION                                    | STATUS    | INFO                                   | DESCRIPTION  |
|---|-----------|--|--|
| android.permission.INTERNET                   |           |  | Allows an application to create network sockets.   |
| android.permission.WRITE_EXTERNAL_STORAGE     | dangerous | read/modify/delete<br>SD card contents | Allows an application to write to the SD card.   |
| $and roid.permission.READ\_EXTERNAL\_STORAGE$ | dangerous | read SD card contents                  | Allows an application to read from SD Card.  |
| android.permission.READ_CONTACTS              | dangerous | read contact data                      | Allows an application to read all of the contact (address) data stored on your phone. Malicious applications can use this to send your data to other people. |

| PERMISSION                                     | STATUS    | INFO                             | DESCRIPTION  |
|--|-----------|----------------------------------|--|
| android.permission.CALL_PHONE                  | dangerous | directly call phone<br>numbers   | Allows the application to call phone numbers without your intervention. Malicious applications may cause unexpected calls on your phone bill. Note that this does not allow the application to call emergency numbers.                           |
| android.permission.READ_PHONE_STATE            | dangerous | read phone state<br>and identity | Allows the application to access the phone features of the device. An application with this permission can determine the phone number and serial number of this phone, whether a call is active, the number that call is connected to and so on. |
| android.permission.PROCESS_OUTGOING_CALLS      | dangerous | intercept outgoing calls         | Allows application to process outgoing calls and change the number to be dialled. Malicious applications may monitor, redirect or prevent outgoing calls.  |
| android.permission.RECEIVE_SMS                 | dangerous | receive SMS                      | Allows application to receive and process SMS messages. Malicious applications may monitor your messages or delete them without showing them to you.   |
| android.permission.RECEIVE_BOOT_COMPLETED      | normal    | automatically start<br>at boot   | Allows an application to start itself as soon as the system has finished booting. This can make it take longer to start the phone and allow the application to slow down the overall phone by always running.                                    |
| android.permission.VIBRATE                     | normal    | control vibrator                 | Allows the application to control the vibrator.  |
| $and roid. permission. ACCESS\_NETWORK\_STATE$ | normal    | view network<br>status           | Allows an application to view the status of all networks.  |
| android.permission.GET_TASKS                   | dangerous | retrieve running applications    | Allows application to retrieve information about currently and recently running tasks. May allow malicious applications to discover private information about other applications.  |

## **ANDROID LIBRARY BINARY ANALYSIS**

ISSUE SEVERITY DESCRIPTION FILES

No issue found info

# **APKID ANALYSIS**

#### APKiD not enabled.

FILE

# **BROWSABLE ACTIVITIES**

**ACTIVITY INTENT** 

# **MANIFEST ANALYSIS**

| ISSUE | SEVERITY | DESCRIPTION |
|-------|----------|-------------|
|-------|----------|-------------|

**Broadcast Receiver** 

(com.worker.androiddefender2.CallReceiver) is not Protected.

er) is high

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.

An intent-filter exists. **Broadcast Receiver** 

(com.worker.androiddefender2.MessageReceiver) high is not Protected.
An intent-filter exists.

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.

**ISSUE SEVERITY DESCRIPTION** 

**Broadcast Receiver** 

(com.worker.androiddefender2.ServiceStarter) is not Protected. An intent-filter exists.

High Intent Priority (999) medium

[android:priority]

high

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.

By setting an intent priority higher than another intent, the  $\ensuremath{\mathsf{app}}$ 

effectively overrides other requests.

## **CODE ANALYSIS**

| ISSUE  | SEVERITY | r cvss | CWE         | OWASP                               | FILES   |
|--|----------|--------|-------------|-------------------------------------|---|
| This App uses Java Hash<br>Code. It's a weak hash<br>function and should never<br>be used in Secure Crypto<br>Implementation.  | warning  | 2.3    | CWE-<br>327 |                                     | com/j256/ormlite/field/FieldType.java com/j256/ormlite/android/AndroidCompiledStatement.java com/j256/ormlite/android/AndroidDatabaseConnection.java com/j256/ormlite/android/AndroidConnectionSource.java com/j256/ormlite/android/AndroidDatabaseResults.java com/j256/ormlite/android/apptools/OrmLiteBaseActivity.java com/j256/ormlite/android/apptools/OrmLiteSqliteOpenHelper.java com/j256/ormlite/dao/LazyForeignCollection.java com/j256/ormlite/dao/DaoManager.java com/j256/ormlite/dao/EagerForeignCollection.java |
| App uses SQLite Database and execute raw SQL query. Untrusted user input in raw SQL queries can cause SQL Injection. Also sensitive information should be encrypted and written to the database. | high     | 5.9    |             | M7: Client<br>Code Quality          | com/j256/ormlite/android/AndroidCompiledStatement.java<br>com/j256/ormlite/android/AndroidDatabaseConnection.java<br>com/example/androiddefender2/DBHelper.java   |
| The App logs information.<br>Sensitive information<br>should never be logged.  | info     | 7.5    | CWE-<br>532 |                                     | com/j256/ormlite/android/AndroidLog.java<br>com/j256/ormlite/android/apptools/OrmLiteConfigUtil.java<br>com/j256/ormlite/logger/LocalLog.java<br>com/worker/helper/ORMDatabaseHelper.java<br>com/worker/androiddefender2/AVService.java<br>system/Communicator.java<br>system/XMLParser.java<br>system/ThreadControl.java   |
| App can read/write to<br>External Storage. Any App<br>can read data written to<br>External Storage.  | high     | 5.5    |             | M2: Insecure<br>Data Storage        | com/example/androiddefender2/ScanningActivity.java<br>com/example/androiddefender2/SingleScanActivity.java<br>com/worker/androiddefender2/FilesWorker.java  |
| IP Address disclosure  | warning  | 4.3    | CWE-<br>200 |                                     | com/example/androiddefender2/UpdateActivity.java<br>com/example/androiddefender2/DefenderApplication.java<br>com/worker/androiddefender2/MemoryFunctions.java   |
| The App uses an insecure Random Number Generator.  | high     | 7.5    | 330         | M5:<br>Insufficient<br>Cryptography | com/worker/androiddefender2/SystemFunctions.java  |
| App can write to App<br>Directory. Sensitive<br>Information should be<br>encrypted.  | info     | 3.9    | CWE-<br>276 |                                     | com/worker/androiddefender2/MemoryFunctions.java  |

# **ANDROID API**

Get System Service

API **FILES** 

designer/TabsOperation.java

com/example/androiddefender2/ScanningActivity.java com/example/androiddefender2/UpdateActivity.java

com/example/androiddefender2/DefenderApplication.java com/example/androiddefender2/NumbersList.java

com/example/androiddefender2/SingleScanActivity.java

com/worker/androiddefender2/SkanerSystemWorker.java

com/worker/androiddefender2/SystemFunctions.java <u>com/worker/androiddefender2/TimeAlarm.java</u>

com/worker/androiddefender2/PreparerWirusesSkaner.java

com/worker/androiddefender2/AVService.java

com/worker/androiddefender2/CallReceiver.java

API FILES

designer/TabsOperation.java

com/example/androiddefender2/ScanningActivity.java com/example/androiddefender2/BySupportActivity.java com/example/androiddefender2/DefenderApplication.java com/example/androiddefender2/HomeActivity.java com/example/androiddefender2/VirusInfoDialogActivity.java com/example/androiddefender2/SingleScanActivity.java com/example/androiddefender2/ScanActivity.java com/example/androiddefender2/CustomActGroup.java com/example/androiddefender2/PayFormActivity.java Inter Process Communication com/example/androiddefender2/BlackList.java com/example/androiddefender2/PrivacyActivity.java com/example/androiddefender2/SupportActivity.java com/example/androiddefender2/MainActivity.java com/worker/androiddefender2/NetworkAlarm.java com/worker/androiddefender2/SystemFunctions.java com/worker/androiddefender2/TimeAlarm.java com/worker/androiddefender2/MessageReceiver.java com/worker/androiddefender2/AVService.java com/worker/androiddefender2/ServiceStarter.java com/worker/androiddefender2/CallReceiver.java com/j256/ormlite/table/DatabaseTableConfig.java com/j256/ormlite/table/DatabaseTableConfigLoader.java com/j256/ormlite/field/DatabaseFieldConfigLoader.java com/j256/ormlite/field/DataPersisterManager.java com/j256/ormlite/field/FieldType.java com/j256/ormlite/field/DatabaseFieldConfig.java com/j256/ormlite/field/DataPersister.java com/j256/ormlite/field/types/VoidType.java com/j256/ormlite/field/types/SerializableType.java com/j256/ormlite/field/types/BaseDateType.java com/j256/ormlite/field/types/DateTimeType.java Java Reflection com/j256/ormlite/field/types/SqlDateType.java com/j256/ormlite/field/types/TimeStampType.java com/j256/ormlite/field/types/BaseEnumType.java com/j256/ormlite/field/types/BaseDataType.java <u>com/j256/ormlite/android/DatabaseTableConfigUtil.java</u> com/j256/ormlite/android/apptools/OrmLiteConfigUtil.java com/j256/ormlite/android/apptools/OpenHelperManager.java com/j256/ormlite/misc/JavaxPersistence.java com/j256/ormlite/db/BaseDatabaseType.java com/j256/ormlite/logger/LoggerFactory.java com/example/androiddefender2/CustomActGroup.java com/worker/androiddefender2/CallReceiver.java com/example/androiddefender2/BySupportActivity.java com/example/androiddefender2/VirusInfoDialogActivity.java com/example/androiddefender2/ScanActivity.java com/example/androiddefender2/CustomActGroup.java com/example/androiddefender2/PayFormActivity.java com/example/androiddefender2/BlackList.java Starting Activity com/example/androiddefender2/SupportActivity.java com/example/androiddefender2/MainActivity.java com/worker/androiddefender2/NetworkAlarm.java com/worker/androiddefender2/TimeAlarm.java com/worker/androiddefender2/MessageReceiver.java com/worker/androiddefender2/ServiceStarter.java com/worker/androiddefender2/CallReceiver.java com/example/androiddefender2/BySupportActivity.java com/example/androiddefender2/SettingsActivity.java com/example/androiddefender2/UpdateActivity.java com/example/androiddefender2/DefenderApplication.java com/example/androiddefender2/VirusInfoDialogActivity.java com/example/androiddefender2/SingleScanActivity.java com/example/androiddefender2/ScanActivity.java com/example/androiddefender2/PayFormActivity.java com/example/androiddefender2/PrivacyActivity.java Local File I/O Operations com/example/androiddefender2/SupportActivity.java com/worker/androiddefender2/SkanerSystemWorker.java com/worker/androiddefender2/NetworkAlarm.java com/worker/androiddefender2/MemoryFunctions.java com/worker/androiddefender2/TimeAlarm.java com/worker/androiddefender2/PreparerWirusesSkaner.java com/worker/androiddefender2/MessageReceiver.java com/worker/androiddefender2/ServiceStarter.java <u>com/worker/androiddefender2/CallReceiver.java</u> Starting Service com/example/androiddefender2/DefenderApplication.java com/worker/androiddefender2/SkanerSystemWorker.java com/worker/androiddefender2/SystemFunctions.java **Android Notifications** com/worker/androiddefender2/TimeAlarm.java

HTTP Requests, Connections and Sessions system/Communicator.java

com/worker/androiddefender2/PreparerWirusesSkaner.java

#### **URLS**

URL

File

http://defenderandroid.org com/example/androiddefender2/SupportActivity.java

#### FIREBASE DATABASES

#### **MALWARE CHECK**

Domain

Status

defenderandroid.org good

#### **EMAILS**

#### TRACKERS

**Tracker Name URL** 

## **FILE ANALYSIS**

## **STRINGS**

```
"app_name": "Label_Reader"
"hello_world": "Hello world!"
"menu_settings": "Settings"
"title_activity_main": "Android Defender"
"title_activity_update": "UpdateActivity"
"title_activity_settings": "SettingsActivity"
"title_activity_privacy": "PrivacyActivity"
"title_activity_support": "SupportActivity"
"title_activity_home": "HomeActivity"
"Scansystem": "Сканирование системы"
"title_activity_scan": "ScanActivity"
"empty": ""
```

```
"title_activity_scanning" : "ScanningActivity"
"scan result": "Результаты сканирования"
"new signatur count": "Количество новых сигнатур"
"list updates": "Список обновлений"
"clear files": "0/0"
"zero percent": "0%"
"version base" : "Версия баз:"
"count signaturs": "Количество сигнатур:"
"last scan date": "Дата последнего сканирования:"
"settings_autostart" : "Автозапуск (запуск при старте системы)"
"settings_startscan" : "Запускать сканер при запуске"
"settings minimize": "Минимизировать при запуске"
"settings_message" : "Уведомления"
"warning msg f": "Ваше устройство не полностью защищено"
"warning msg s": "Преобретите полную версию антивируса"
"btn save" : "Сохранить настройки"
"btnCancel": "Назад"
"date last scan text" : "Последнее сканирование:"
"txtMond": "Пн."
"txtTuesd": "Вт."
"txtWedn": "Cp."
"txtThursd": "Чт."
"txtFri": "Πτ."
"txtSatur" : "Сб."
"txtSand": "Bc."
"push_auto_scan" : "Включить автоматическое сканирование"
"txt_sub_center_home_block" : "светлый центральный блок"
"txt logo image" : "Логотип"
"txt dark center block" : "Темный центральный блок"
"start auto scan": "Начать автоматическое сканирование"
"start scan btn": "Начать сканировать"
"scan application": "Сканировать приложения"
"scan sd": "Сканировать SD карту"
"txt img warn" : "Внимание"
"full protect" : "Полная защита устройства"
"status_scan" : "Статус сканирования"
"finded_warnings" : "Найденные угрозы"
"process_scan" : "Процесс сканирования"
"by and remove virus": "Купить и устранить угрозы"
"go with virus": "Продолжить незащищенным"
"set settings app": "Настройки приложения"
"privacy sms" : "Защита от кражи СМС"
"privacy_settings" : "Настройки приватности"
"privacy phone": "Защита от записи тел. разговоров"
```

```
"privacy_geolokation" : "Запретить несанкц. геолокацию"
"black list": "Черный список"
"by prg": "Купить"
"privacy reklam text" : "Активация приложения дает вам
неограниченные возможности управления программой. Вы
можете самостоятельно настроить все необходимые модули
контроля безопасности вашего устройства. Кроме того, вы
можете управлять черным списком."
"title_activity_black_list" : "BlackList"
"not get call" : "Не принимать звонки"
"not get sms": "Не принимать СМС"
"add to black list" : "Добавить в черный список"
"reklam black list" : "Функция черный список доступна только в
купленной версии приложения. Вы можете индивидуально
настраивать контакт на прием только СМС или только Звонков, А
также запретить все."
"show black list" : "Показать список номеров"
"title_activity_numbers_list": "NumbersList"
"delete from black list": "Удалить из черного списка"
"actual base" : "Актуальность баз"
"txt upd string": "Список обновлений"
"txt upd reklam": "Обновление антивирусных баз доступно только
в платной версии. Если антивирусные базы не будут оставаться
актуальными, вы рискуете подвергнуть ваше устройство риску
заражения"
"txt update system": "Обновление системы"
"txt full guard": "Ваше устройство полностью защищено"
"full reklam scan text": "Ваше устройство подвержено
заражению. Приобретите полную версию антивируса"
"virus remove" : "устранена"
"virus not remove": "не устранена"
"stop scan" : "Стоп"
"privacy_activate" : "Приложение активировано. У вас есть
неограниченые возможности управления программой. Вы можете
самостоятельно настроить авто статус сканирования, обновление
антивирусных баз."
"activate_application" : "Активация приложения"
"i_have_key_activation" : "У меня уже есть ключ активации"
"txt go scan" : "Старт"
"txt pause scan" : "Пауза"
"txt prepare status scan": "Статус сканирования"
"txt_scan_string": "Сканировать приложения"
"test file": "/data/new.mp3"
"notify_scanning": "Сканирование..."
```

```
"notify scanning process": "Процесс сканирования"
"notify scanning files" : "Проверка файла №"
"prepare scan string": "Найдено угроз: 0. Устранено угроз: 0"
"scanning found defect" : "Найдено угроз: %s."
"scanning deleted defect": "Устранено угроз: %s"
"prepare files step" : "Подготовка файлов"
"scanning system step": "Сканирование системы"
"scanning sdcard step": "Сканирование SD карты"
"filter_incoming_header" : "Фильтр входящего звонка"
"filter incoming message" : "Входящий звонок с номера %s
заблокирован"
"filter outcoming header" : "Фильтр исходящего звонка"
"filter outcoming message": "Произведен исходящий вызов на
номер %ѕ"
"warning_you_have_virus" : "Внимание, обнаружен вирус %s."
"txt activate": "Активировать"
"txt err activate code empty": "Код активации не может быть
пустым"
"txt err activate code incorrect": "Неверный код активации"
"title activity by support": "BySupportActivity"
"action settings": "Settings"
"txt_scanning_warning" : "Дождитесь завершения сканирования"
"txt results scan": "Результаты сканирования"
"txt results version" : "Версия антивирусных баз"
"txt error scan settings" : "Для начала сканирования, отметьте
одну из опций сканирования"
"txt error sdcard notexists" : "SD карта не найдена на вашем
устройстве"
"txt sucefful activated": "Приложение успешно активировано,
спасибо за покупку"
"btn save small" : "Сохранить"
"txt last base av" : "На данный момент у вас самые актуальные
базы"
"txt_filtered" : "Фильтруется"
"txt cancel" : "Отмена"
"txt information" : "Информация"
"txt delete phone" : "Удалить телефон"
"txt succefuly delete phone": "Номер %s успешно удален из
черного списка"
"title activity single scan": "SingleScanActivity"
"txt ok" : "OK"
"txt add black header": "Добавлено"
"txt add black message": "Номер телефона %s добавлен в черный
список"
```

```
"txt_add_black_error_header" : "Ошибка добавления"
"txt add black warning header": "Предупреждение"
"txt add black warning message": "Номер телефона %s уже есть в
черном списке"
"txt add black warning params_header" : "Ошибка параметров"
"txt add black warning params message": "Номер телефона не
может быть пустым. Хотябы одна из опций ограничения должна
быть включена"
"support manager": "Служба поддержки"
"field_for_key" : "Поле для ввода ключа"
"scan close": "Закрыть"
"resume working": "Продолжить"
"success key header" : "Успешная активация"
"success key message": "Вы успешно активировали приложение,
для продолжения нажмите кнопку Продолжить"
"title activity virus info dialog": "VirusInfoDialogActivity"
"txt attention": "Внимание!"
"txt may infection": "Возможно заражение"
"txt attention message": "На вашем устройстве обнаружена
вредоносная активность!"
"txt attention process": "Вирусная активность обнаружена в
процессе:"
"txt attention protect": "Для включения защиты активируйте
приложение:"
"txt hack message" : "Передача данных не защищена!"
"txt hack process": "Ваш телефон не защищен и может быть
подвергнут хакерской аттаке"
"txt sms message": "Обнаружена вирусная активность в СМС
переписке"
"title activity pay form": "PayFormActivity"
"test test test" : "Тестим 123"
"app name": "Label Reader"
"hello world": "Hello world!"
"menu settings" : "Settings"
"title activity main": "Android Defender"
"title_activity_update" : "UpdateActivity"
"title_activity_settings" : "SettingsActivity"
"title activity privacy": "PrivacyActivity"
"title_activity_support" : "SupportActivity"
"title activity home": "HomeActivity"
"Scansystem": "Scan system"
"title activity scan": "ScanActivity"
"empty": ""
"title activity scanning": "ScanningActivity"
```

```
"scan result": "Scan results"
"new signatur count": "Number of new patterns"
"list_updates" : "List of updates"
"clear files": "0/0"
"zero percent": "0%"
"version_base" : "Database version:"
"count signaturs": "Number of patterns:"
"last scan date" : "Last scan date:"
"settings_autostart" : "Autorun"
"settings_startscan" : "Launch scanner when phone starts"
"settings_minimize" : "Minimize upon launch"
"settings message": "Notifications"
"warning msg f": "Your device is not fully protected"
"warning_msg_s" : "Buy full version of antivirus"
"btn save" : "Save settings"
"btnCancel": "Back"
"date last scan text" : "Last scan date:"
"txtMond": "Mon."
"txtTuesd": "Tue."
"txtWedn": "Wed."
"txtThursd": "Thu."
"txtFri": "Fri."
"txtSatur": "Sat."
"txtSand": "Sun."
"push auto scan": "Enable automatic scanning"
"txt sub center home block": "светлый центральный блок"
"txt logo image" : "Логотип"
"txt dark center block": "Темный центральный блок"
"start_auto_scan" : "Start automatic scanning"
"start scan btn": "Start scanning"
"scan application": "Scan applications"
"scan sd": "Scan SD card"
"txt img warn": "Внимание"
"full protect": "Full protection of device"
"status_scan" : "Scanning status"
"finded warnings" : "Threats detected"
"process_scan" : "Scanning process"
"by and remove virus": "Buy and eliminate threats"
"go with virus": "Continue unprotected"
"set settings app": "Application settings"
"privacy sms": "SMS fraud protection"
"privacy_settings" : "Privacy settings"
"privacy_phone": "Phone call recording protection"
"privacy geolokation": "Disable unauthorized geolocation"
```

```
"black list" : "Black list"
"by prg": "Buy"
"privacy reklam text": "Activating the application gives you unlimited
options of adjusting program settings. You can adjust the settings for
any required modules for controlling the security of your device. In
addition, you can manage the black list."
"title activity black list": "BlackList"
"not get call" : "Reject calls"
"not get sms" : "Reject messages"
"add_to_black_list" : "Add to black list"
"reklam_black_list": "The black list feature is available only in the
application version you have to buy. You can adjust settings to accept
just messages or calls from individuals, as well as reject both."
"show black list": "Show list of numbers"
"title_activity_numbers list" : "NumbersList"
"delete from black list": "Remove from black list"
"actual base" : "Database up-to-dateness"
"txt_upd_string" : "List of updates"
"txt upd reklam": "Updating antivirus databases is available for the
paid edition only. Unless your antivirus databases are current, you
device is at risk of being infected."
"txt update system": "System update"
"txt full guard": "Your device is fully protected"
"full reklam scan text": "Your device is at risk of being infected.
Please purchase the full edition of the antivirus."
"virus remove": "eliminated"
"virus not remove": "not eliminated"
"stop scan": "Stop"
"privacy_activate": "Application activated. You now have unlimited
possibilities of managing the program. You can set auto scan status
and schedule antivirus database updates yourself."
"activate_application": "Application activation"
"i have key activation": "I already have an activation key"
"txt go scan": "Start"
"txt pause scan": "Pause"
"txt prepare status scan": "Scan status"
"txt_scan_string" : "Scan applications"
"test file": "/data/new.mp3"
"notify scanning": "Scanning..."
"notify scanning process": "Scan process"
"notify scanning files": "Checking file №"
"prepare scan string": "Threats found: 0. Threats eliminated: 0"
"scanning found defect": "Threats found: %s."
"scanning deleted defect": "Threats eliminated: %s"
```

```
"prepare files step": "Preparation of files"
"scanning system step": "System scan"
"scanning sdcard step": "SD card scan"
"filter_incoming_header" : "Incoming call filter"
"filter incoming message": "Incoming call from phone number %s
blocked"
"filter outcoming header": "Outgoing call filter"
"filter outcoming message": "Outgoing call made to phone number
%s"
"warning you have virus": "Warning, virus detected %s."
"txt activate": "Activate"
"txt err activate code empty": "Activation code field can not be
blank"
"txt err activate code incorrect": "Incorrect activation code"
"title_activity_by_support" : "BySupportActivity"
"action settings" : "Settings"
"txt scanning warning": "Please wait until scan is finished"
"txt results scan": "Scan results"
"txt results version": "Virus database:"
"txt error scan settings": "To start scanning, please select one of the
scanning options"
"txt_error_sdcard_notexists" : "SD card not found on your device"
"txt sucefful activated": "Application successfully activated, thank
you for your purchase"
"btn save small": "Save"
"txt_last_base_av": "Your databases are currently up-to-date"
"txt filtered" : "Filtering"
"txt cancel" : "Cancel"
"txt information": "Information"
"txt_delete_phone": "Remove phone number"
"txt succefuly delete phone": "Phone number %s successfully
removed from black list"
"title activity single scan": "SingleScanActivity"
"txt ok" : "OK"
"txt add black header": "Added"
"txt add black message" : "Phone number %s added to black list"
"txt add black error header": "Error while adding"
"txt add black warning header": "Warning"
"txt add black warning message": "Phone number %s already on
blacklist"
"txt add black warning params header": "Parameter error"
"txt add black warning params message": "Phone number field can
not be blank. At least one of the restriction options must be enabled."
"support manager" : "Support service"
```

```
"field_for_key": "Field for license key"
"scan_close": "Close"
"resume_working": "Continue"
"success_key_header": "Successful activation"
"success_key_message": "You have successfully activated the application. Click Continue to proceed."
"txt_attention": "Attention!"
"txt_may_infection": "Possible threat"
"txt_attention_message": "On your mobile device detected malicious activity!"
"txt_attention_process": "Virus activity is detected in a system process:"
"txt_attention_protect": "To protect please activate application:"
"txt_hack_message": "Your phone conversation is not protected!"
"txt_hack_process": "Your phone conversation is not protected and
```

"txt\_sms\_message" : "Detected virus activity in SMS messages!"
"txt\_sms\_process" : "Virus activity is detected in a SMS message:"

#### **ACTIVITIES**

can be accessed by hackers."

com.example.androiddefender2.MainActivity com.example.androiddefender2.UpdateActivity com.example.androiddefender2.SettingsActivity com.example.androiddefender2.PrivacyActivity com.example.androiddefender2.SupportActivity com.example.androiddefender2.HomeActivity com.example.androiddefender2.ScanActivity com.example.androiddefender2.ScanningActivity com.example.androiddefender2.BlackList com.example.androiddefender2.NumbersList com.example.androiddefender2.BySupportActivity com.example.androiddefender2.SingleScanActivity com.example.androiddefender2.VirusInfoDialogActivity com.example.androiddefender2.PayFormActivity

# **PROVIDERS**

# **RECEIVERS**

com.worker.androiddefender2.CallReceiver com.worker.androiddefender2.MessageReceiver com.worker.androiddefender2.ServiceStarter com.worker.androiddefender2.TimeAlarm com.worker.androiddefender2.NetworkAlarm

#### **SERVICES**

com.worker.androiddefender2.AVService

#### **LIBRARIES**

#### **FILES**

META-INF/MANIFEST.MF META-INF/MYKEY.SF META-INF/MYKEY.DSA assets/fonts/TREBUC.TTF assets/fonts/TREBUCBD.TTF assets/fonts/TREBUCBI.TTF assets/fonts/TREBUCIT.TTF assets/fonts/arial.ttf assets/AffiliateSettings.xml assets/AndroidDefender.sqlite assets/VirusesDescription.xml res/drawable/btn cam res.xml res/drawable/btn grey bg.xml res/drawable/bullet.png res/drawable/checkbox draw.xml res/drawable/checkbox draw64.xml res/drawable/clicked row background.xml res/drawable/fon.png res/drawable/heder.png res/drawable/heder non active.png res/drawable/lastscan.png res/drawable/progressbar blue.xml res/drawable/progressbar green.xml

```
res/drawable/progressbar st.xml
res/drawable/table delimitr.xml
res/drawable/text view grey.xml
res/drawable/virus danger row.xml
res/drawable-hdpi/auto scan settings.png
res/drawable-hdpi/btn full protect.png
res/drawable-hdpi/btnfon.png
res/drawable-hdpi/center home block.png
res/drawable-hdpi/checked.png
res/drawable-hdpi/detected.png
res/drawable-hdpi/ic action search.png
res/drawable-hdpi/ic home.png
res/drawable-hdpi/ic launcher.png
res/drawable-hdpi/ic privatnost.png
res/drawable-hdpi/ic settings.png
res/drawable-hdpi/ic support.png
res/drawable-hdpi/ic update.png
res/drawable-hdpi/nonchecked.png
res/drawable-hdpi/ok blue.png
res/drawable-hdpi/progress fon.png
res/drawable-hdpi/progress fon blue.png
res/drawable-hdpi/progress fon nonactive.png
res/drawable-hdpi/scan status.png
res/drawable-hdpi/scanning proccess.png
res/drawable-hdpi/warning.png
res/drawable-land-mdpi/center home block.png
res/drawable-land-mdpi/sub center home block.png
res/drawable-ldpi/auto_scan_settings.png
res/drawable-ldpi/btn full protect.png
res/drawable-ldpi/btnfon.png
res/drawable-ldpi/center home block.png
res/drawable-ldpi/checked.png
res/drawable-ldpi/detected.png
res/drawable-ldpi/ic home.png
res/drawable-ldpi/ic launcher.png
res/drawable-ldpi/ic privatnost.png
res/drawable-ldpi/ic settings.png
res/drawable-ldpi/ic support.png
res/drawable-ldpi/ic update.png
res/drawable-ldpi/nonchecked.png
res/drawable-ldpi/ok blue.png
res/drawable-ldpi/progress fon.png
res/drawable-ldpi/progress fon blue.png
res/drawable-ldpi/progress fon nonactive.png
```

res/drawable-ldpi/scan status.png res/drawable-ldpi/scanning proccess.png res/drawable-ldpi/warning.png res/drawable-mdpi/attention ico.png res/drawable-mdpi/auto scan settings.png res/drawable-mdpi/big blue ok.png res/drawable-mdpi/blue attention.png res/drawable-mdpi/btn full protect.png res/drawable-mdpi/btn scan act.png res/drawable-mdpi/btn start cam.png res/drawable-mdpi/btn start cam act.png res/drawable-mdpi/btnfon.png res/drawable-mdpi/bullet red.png res/drawable-mdpi/calendar.png res/drawable-mdpi/center home block.png res/drawable-mdpi/checked.png res/drawable-mdpi/checked20.png res/drawable-mdpi/checked24.png res/drawable-mdpi/checked48.png res/drawable-mdpi/checked64.png res/drawable-mdpi/chk version.png res/drawable-mdpi/detected.png res/drawable-mdpi/gray circle.png res/drawable-mdpi/guard att.png res/drawable-mdpi/guard btn.png res/drawable-mdpi/guard btn2.png res/drawable-mdpi/hack image.png res/drawable-mdpi/horizontal\_delim.png res/drawable-mdpi/ic action search.png res/drawable-mdpi/ic home.png res/drawable-mdpi/ic\_key.png res/drawable-mdpi/ic launcher.png res/drawable-mdpi/ic privatnost.png res/drawable-mdpi/ic settings.png res/drawable-mdpi/ic support.png res/drawable-mdpi/ic update.png res/drawable-mdpi/ico key.png res/drawable-mdpi/lastscan.png res/drawable-mdpi/line delimiter.png res/drawable-mdpi/line white.png res/drawable-mdpi/message image.png res/drawable-mdpi/nonchecked.png res/drawable-mdpi/nonchecked20.png res/drawable-mdpi/nonchecked24.png

```
res/drawable-mdpi/nonchecked48.png
res/drawable-mdpi/nonchecked64.png
res/drawable-mdpi/ok blue.png
res/drawable-mdpi/ok green.png
res/drawable-mdpi/phonehack image.png
res/drawable-mdpi/privacy.png
res/drawable-mdpi/progress fon.png
res/drawable-mdpi/progress fon blue.png
res/drawable-mdpi/progress fon green.png
res/drawable-mdpi/progress fon nonactive.png
res/drawable-mdpi/red attention.png
res/drawable-mdpi/scan status.png
res/drawable-mdpi/scanning proccess.png
res/drawable-mdpi/screen header.png
res/drawable-mdpi/shesterenka.png
res/drawable-mdpi/spider.png
res/drawable-mdpi/sub center home block.png
res/drawable-mdpi/tabs transparent.png
res/drawable-mdpi/user.png
res/drawable-mdpi/vers check.png
res/drawable-mdpi/warning.png
res/drawable-mdpi/yellow attention.png
res/drawable-mdpi/zamochek.png
res/drawable-xhdpi/auto scan settings.png
res/drawable-xhdpi/btn full protect.png
res/drawable-xhdpi/btnfon.png
res/drawable-xhdpi/checked.png
res/drawable-xhdpi/detected.png
res/drawable-xhdpi/ic action search.png
res/drawable-xhdpi/ic home.png
res/drawable-xhdpi/ic launcher.png
res/drawable-xhdpi/ic_privatnost.png
res/drawable-xhdpi/ic settings.png
res/drawable-xhdpi/ic support.png
res/drawable-xhdpi/ic update.png
res/drawable-xhdpi/nonchecked.png
res/drawable-xhdpi/ok blue.png
res/drawable-xhdpi/progress fon.png
res/drawable-xhdpi/progress fon blue.png
res/drawable-xhdpi/progress fon nonactive.png
res/drawable-xhdpi/scan status.png
res/drawable-xhdpi/scanning proccess.png
res/drawable-xhdpi/warning.png
res/layout/activity black list.xml
```

```
res/layout/activity by support.xml
res/layout/activity home.xml
res/layout/activity_main.xml
res/layout/activity numbers list.xml
res/layout/activity_pay_form.xml
res/layout/activity_privacy.xml
res/layout/activity_scan.xml
res/layout/activity scanning.xml
res/layout/activity settings.xml
res/layout/activity_single_scan.xml
res/layout/activity_support.xml
res/layout/activity_support_activate.xml
res/layout/activity update.xml
res/layout/activity update n.xml
res/layout/activity_virus_info_dialog.xml
res/layout/custom notify.xml
res/layout/dialog scan error.xml
res/layout/tab item.xml
res/layout/table row.xml
res/layout/table_row_number.xml
res/layout/table row scan.xml
res/layout/table update row.xml
res/layout-sw600dp/activity black list.xml
res/layout-sw600dp/activity by support.xml
res/layout-sw600dp/activity home.xml
res/layout-sw600dp/activity_main.xml
res/layout-sw600dp/activity_numbers_list.xml
res/layout-sw600dp/activity_pay_form.xml
res/layout-sw600dp/activity_privacy.xml
res/layout-sw600dp/activity_scan.xml
res/layout-sw600dp/activity_scanning.xml
res/layout-sw600dp/activity_settings.xml
res/layout-sw600dp/activity single scan.xml
res/layout-sw600dp/activity support.xml
res/layout-sw600dp/activity support activate.xml
res/layout-sw600dp/activity update.xml
res/layout-sw600dp/activity_update_n.xml
res/layout-sw600dp/activity_virus_info_dialog.xml
res/layout-sw600dp/tab item.xml
res/layout-sw600dp/table row.xml
res/layout-sw720dp/activity black list.xml
res/layout-sw720dp/activity by support.xml
res/layout-sw720dp/activity home.xml
res/layout-sw720dp/activity main.xml
```

```
res/layout-sw720dp/activity_numbers_list.xml
res/layout-sw720dp/activity pay form.xml
res/layout-sw720dp/activity privacy.xml
res/layout-sw720dp/activity scan.xml
res/layout-sw720dp/activity scanning.xml
res/layout-sw720dp/activity settings.xml
res/layout-sw720dp/activity single scan.xml
res/layout-sw720dp/activity support.xml
res/layout-sw720dp/activity support_activate.xml
res/layout-sw720dp/activity update.xml
res/layout-sw720dp/activity update n.xml
res/layout-sw720dp/activity virus info dialog.xml
res/layout-sw720dp/tab item.xml
res/layout-sw720dp/table row.xml
res/menu/activity black list.xml
res/menu/activity home.xml
res/menu/activity main.xml
res/menu/activity numbers list.xml
res/menu/activity privacy.xml
res/menu/activity scan.xml
res/menu/activity scanning.xml
res/menu/activity settings.xml
res/menu/activity support.xml
res/menu/activity update.xml
res/menu/by support.xml
res/menu/pay form.xml
res/menu/single scan.xml
res/menu/virus info dialog.xml
AndroidManifest.xml
classes.dex
resources.arsc
```

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