






Test security and privacy of your mobile application (iOS & Android), detect OWASP Mobile Top 10 and other weaknesses.

Summary of Mobile Application Security Test

	APP NAME	APP ID	APP VERSION
	GreenPass	com.italinnovation.greenPass	1
	DEVICE TYPE	TEST STARTED	TEST FINISHED
	iOS	May 9th 2022, 22:24	May 9th 2022, 22:47
			
Mobile App Permissions and Privacy	OWASP Mobile Top 10 Security Test	Mobile App External Communications	Software Composition Analysis
2 PERMISSIONS	1 MAJOR RISK FOUND	RISKS FOUND	28 COMPONENTS FOUND

Mobile Application Permissions and Privacy Test

Mobile Application Functionality

The mobile application requests access to the following functionality that may endanger user's privacy under certain circumstances:

Location

The mobile application has an access to user geographical location.

Accelerometer

The mobile application can use device's accelerometers.

Camera

The mobile application can use phone's camera for taking pictures or videos.

Microphone

The mobile application can record audio using phone's microphone.

Media

The mobile application has an access to mobile phone's media (e.g. music or photo) in read and/or write mode.

Mobile Application Permissions

The mobile application requests the following permissions that may endanger user's privacy under certain circumstances:

NSCameraUsageDescription dangerous

Access Camera.

NSPhotoLibraryUsageDescription dangerous

Access the user's photo library.

OWASP Mobile Top 10 Security Test

Your application is not compiled for iOS simulator, dynamic testing will be skipped and many vulnerabilities may remain undetected. We suggest to [recompile your mobile app](#) and try again.

The automated audit revealed the following security flaws and weaknesses that may impact the application:

HIGH RISK**0****MEDIUM RISK****0****LOW RISKS****2****WARNING****1**

Zero false-positive SLA and advanced manual testing of application is only available in ImmuniWeb® MobileSuite.

HARDCODED DATA [M2] [CWE-200] [SAST]**LOW****Description:**

The mobile application contains debugging or other technical information that may be extracted and used by an attacker to facilitate further attacks.

<https://> with value <https://www.microsoft.com/en-us/research/wp-content/uploads/2005/01/p1000-loop.pdf> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Flutter:](#)

```
[line 50775: // See: https://www.microsoft.com/en-us/research/wp-content/uploads/2005/01/p1000-loop.pdf]
```

https://github.com/dart-lang/sdk/blob/master/runtime/docs/compiler/aot/entry_point_pragma.md in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Flutter:](#)

```
[line 51848: WARNING: See https://github.com/dart-lang/sdk/blob/master/runtime/docs/compiler/aot/entry\_point\_pragma.md]
[line 51850: ERROR: See https://github.com/dart-lang/sdk/blob/master/runtime/docs/compiler/aot/entry\_point\_pragma.md]
[line 51852: ERROR: See https://github.com/dart-lang/sdk/blob/master/runtime/docs/compiler/aot/entry\_point\_pragma.md]
```

<https://api.flutter.dev/flutter/services/SystemChannels/navigation-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h:](#)

```
[line 314: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/navigation-constant.html)]
```

<https://api.flutter.dev/flutter/widgets/Navigator-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h:](#)

```
[line 315: * @see [Navigator Widget]
(https://api.flutter.dev/flutter/widgets/Navigator-class.html)]
```

<https://api.flutter.dev/flutter/services/SystemChannels/restoration-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h:](#)

```
[line 324: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/restoration-constant.html)]
```

<https://api.flutter.dev/flutter/services/SystemChannels/textInput-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h:](#)

```
[line 341: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/textInput-constant.html)]
```

<https://api.flutter.dev/flutter/services/SystemChannels/lifecycle-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h:](#)

```
[line 351: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/lifecycle-constant.html)]
```

<https://api.flutter.dev/flutter/services/SystemChannels/system-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h:](#)

```
[line 361: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/system-constant.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/MethodChannel/setMethodCallHandler.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterChannels.h](#):

```
[line 202: * @see [MethodChannel.setMethodCallHandler]
(https://api.flutter.dev/flutter/services/MethodChannel/setMethodCallHandler.html)]
```

<https://> with value <https://github.com/flutter/plugins/tree/master/packages/camera> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterTexture.h](#):

```
[line 14: * See also:
https://github.com/flutter/plugins/tree/master/packages/camera]
```

<https://> with value <https://github.com/flutter/flutter/issues/72009> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngineGroup.h](#):

```
[line 41: * @see https://github.com/flutter/flutter/issues/72009]
```

<https://> with value <https://api.flutter.dev/flutter/services/BinaryCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 38: * [BinaryCodec]
(https://api.flutter.dev/flutter/services/BinaryCodec-class.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/StringCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 50: * [StringCodec]
(https://api.flutter.dev/flutter/services/StringCodec-class.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/JSONMessageCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 60: * [JSONMessageCodec]
(https://api.flutter.dev/flutter/services/JSONMessageCodec-class.html)]
```

<https://> with value <https://api.dartlang.org/stable/dart-convert/JSON-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 67: * [dart:convert] (https://api.dartlang.org/stable/dart-convert/JSON-constant.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/StandardMessageCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 173: * [StandardMessageCodec]
(https://api.flutter.dev/flutter/services/StandardMessageCodec-class.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/JSONMethodCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 408: * [JSONMethodCodec]
(https://api.flutter.dev/flutter/services/JSONMethodCodec-class.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/StandardMethodCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 421: * [StandardMethodCodec]
(https://api.flutter.dev/flutter/services/StandardMethodCodec-class.html)]
```

<https://> with value <https://flutter.dev/docs/development/add-to-app/performance> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterViewController.h](#):

```
[line 36: * https://flutter.dev/docs/development/add-to-app/performance for
more details on loading]
```

<https://> with value <https://developer.apple.com/documentation/foundation/nsencoding/1416145-initwithcoder> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterViewController.h](#):

```
[line 96: *
https://developer.apple.com/documentation/foundation/nsencoding/1416145-initwithcoder?language=objc]
```

<https://> with value <https://firebase.flutter.dev/docs/overview#initialization> in following files:

- [ios/Payload/ios.app/Frameworks/App.framework/App:](#)

```
[line 13917: View the documentation for more information:
https://firebase.flutter.dev/docs/overview#initialization]
```

<http://> with value <http://flutter.dev/docs/development/add-to-app/performance> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h](#):

```
[line 38: * See http://flutter.dev/docs/development/add-to-app/performance
for more details on loading]
```

CVSSv3 Base Score:

3.3 (AV:L/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N)

INFORMATION EXPOSURE [M2] [CWE-200] [SAST]

LOW

Description:

The mobile application contains hardcoded URLs that may be from development, staging or preproduction hosts or APIs. Attackers can potentially increase the external attack surface with this information.

<http://> with value <http://flutter.dev/docs/development/add-to-app/performance> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h](#):

```
[line 38: * See http://flutter.dev/docs/development/add-to-app/performance
for more details on loading]
```

[https://](https://api.flutter.dev/flutter/services/SystemChannels/navigation-constant.html) with value <https://api.flutter.dev/flutter/services/SystemChannels/navigation-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h](#):

```
[line 314: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/navigation-constant.html)]
```

[https://](https://api.flutter.dev/flutter/widgets/Navigator-class.html) with value <https://api.flutter.dev/flutter/widgets/Navigator-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h](#):

```
[line 315: * @see [Navigator Widget]
(https://api.flutter.dev/flutter/widgets/Navigator-class.html)]
```

[https://](https://api.flutter.dev/flutter/services/SystemChannels/restoration-constant.html) with value <https://api.flutter.dev/flutter/services/SystemChannels/restoration-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h](#):

```
[line 324: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/restoration-constant.html)]
```

[https://](https://api.flutter.dev/flutter/services/SystemChannels/textInput-constant.html) with value <https://api.flutter.dev/flutter/services/SystemChannels/textInput-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h](#):

```
[line 341: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/textInput-constant.html)]
```

[https://](https://api.flutter.dev/flutter/services/SystemChannels/lifecycle-constant.html) with value <https://api.flutter.dev/flutter/services/SystemChannels/lifecycle-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h](#):

```
[line 351: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/lifecycle-constant.html)]
```

[https://](https://api.flutter.dev/flutter/services/SystemChannels/system-constant.html) with value <https://api.flutter.dev/flutter/services/SystemChannels/system-constant.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterEngine.h](#):

```
[line 361: * Channel]
(https://api.flutter.dev/flutter/services/SystemChannels/system-constant.html)]
```

[https://](https://api.flutter.dev/flutter/services/MethodChannel/setMethodCallHandler.html) with value <https://api.flutter.dev/flutter/services/MethodChannel/setMethodCallHandler.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterChannels.h](#):

```
[line 202: * @see [MethodChannel.setMethodCallHandler]
(https://api.flutter.dev/flutter/services/MethodChannel/setMethodCallHandler.html)]
```

[https://](https://api.flutter.dev/flutter/services/BinaryCodec-class.html) with value <https://api.flutter.dev/flutter/services/BinaryCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 38: * [BinaryCodec]
(https://api.flutter.dev/flutter/services/BinaryCodec-class.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/StringCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 50: * [StringCodec]
(https://api.flutter.dev/flutter/services/StringCodec-class.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/JSONMessageCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 60: * [JSONMessageCodec]
(https://api.flutter.dev/flutter/services/JSONMessageCodec-class.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/StandardMessageCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 173: * [StandardMessageCodec]
(https://api.flutter.dev/flutter/services/StandardMessageCodec-class.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/JSONMethodCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 408: * [JSONMethodCodec]
(https://api.flutter.dev/flutter/services/JSONMethodCodec-class.html)]
```

<https://> with value <https://api.flutter.dev/flutter/services/StandardMethodCodec-class.html> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterCodecs.h](#):

```
[line 421: * [StandardMethodCodec]
(https://api.flutter.dev/flutter/services/StandardMethodCodec-class.html)]
```

<https://> with value <https://flutter.dev/docs/development/add-to-app/performance> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterViewController.h](#):

```
[line 36: * https://flutter.dev/docs/development/add-to-app/performance for
more details on loading]
```

<https://> with value <https://developer.apple.com/documentation/foundation/nscoding/1416145-initwithcoder> in following files:

- [ios/Payload/ios.app/Frameworks/Flutter.framework/Headers/FlutterViewController.h](#):

```
[line 96: *
https://developer.apple.com/documentation/foundation/nscoding/1416145-initwithcoder?language=objc]
```

<https://> with value <https://firebase.flutter.dev/docs/overview#initialization> in following files:

- [ios/Payload/ios.app/Frameworks/App.framework/App](#):

```
[line 13917: View the documentation for more information:
https://firebase.flutter.dev/docs/overview#initialization]
```

CVSSv3 Base Score:

3.3 (AV:L/AC:L/PR:L/UI:N/S:U/C:L/I:N/A:N)

MISSING ANTI-EMULATION [SAST]

WARNING

Description:

The mobile application does not use any anti-emulation or anti-debugger techniques (e.g. detecting rooted devices or checking if contacts are authentic).

This can significantly facilitate application debugging and reverse-engineering processes.

External Communications and Outgoing Traffic

Mobile Application Endpoints

Static mobile application security test revealed the following remote hosts where the mobile application may send or receive data:

Hostname	IP:Port	SSL Encryption	Websec Server Security	Domain Domain Security
flutter.dev:80	151.101.1.195:80	N	A	Not Tested Yet
www.microsoft.com:443	23.201.193.232:443	Not Tested Yet	A	Not Tested Yet
api.flutter.dev:443	199.36.158.100:443	A	A	Not Tested Yet
api.dartlang.org:443	172.217.13.147:443	B+	Not Tested Yet	Not Tested Yet
flutter.dev:443	151.101.1.195:443	N	A	Not Tested Yet
firebase.flutter.dev:443	199.36.158.100:443	A	Not Tested Yet	Not Tested Yet

Software Composition Analysis Test

The mobile application uses the following external and native libraries:

External

- @rpath/App.framework/App
- @rpath/FBLPromises.framework/FBLPromises
- @rpath/FirebaseCore.framework/FirebaseCore
- @rpath/FirebaseCoreDiagnostics.framework/FirebaseCoreDiagnostics
- @rpath/FirebaseInstallations.framework/FirebaseInstallations
- @rpath/FirebaseMessaging.framework/FirebaseMessaging
- @rpath/Flutter.framework/Flutter

iOS Native
None

- @rpath/GTMSessionFetcher.framework/GTMSessionFetcher
- @rpath/GoogleDataTransport.framework/GoogleDataTransport
- @rpath/GoogleToolboxForMac.framework/GoogleToolboxForMac
- @rpath/GoogleUtilities.framework/GoogleUtilities
- @rpath/MTBBarcodeScanner.framework/MTBBarcodeScanner
- @rpath/Protobuf.framework/Protobuf
- @rpath/Reachability.framework/Reachability
- @rpath/SSZipArchive.framework/SSZipArchive
- @rpath/TOCropViewController.framework/TOCropViewController
- @rpath/connectivity.framework/connectivity
- @rpath/device_info_plus.framework/device_info_plus
- @rpath/flutter_keyboard_visibility.framework/flutter_keyboard_visibility
- @rpath/image_cropper.framework/image_cropper
- @rpath/image_picker.framework/image_picker
- @rpath/in_app_review.framework/in_app_review
- @rpath/nanopb.framework/nanopb
- @rpath/path_provider_ios.framework/path_provider_ios
- @rpath/qrcode_scanner.framework/qrcode_scanner
- @rpath/share_plus.framework/share_plus
- @rpath/shared_preferences_ios.framework/shared_preferences_ios
- @rpath/url_launcher_ios.framework/url_launcher_ios