



IOS STATIC ANALYSIS REPORT



🍏 DVIA-v2 (2.0)

File Name:

DVIA-v2.ipa

Identifier:

com.hightitudehacks.DVIAswiftv2

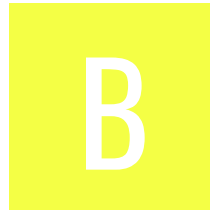
Scan Date:

Aug. 19, 2025, 7:40 a.m.

App Security Score:

42/100 (MEDIUM RISK)

Grade:



Trackers Detection:

3/432

FINDINGS SEVERITY

 HIGH

 MEDIUM

 INFO

 SECURE

 HOTSPOT



FILE INFORMATION

File Name: DVIA-v2.ipa
Size: 9.2MB
MD5: b919e84e7d35f68e16b6cd05d8e3b1ce
SHA1: 1dd38869cb0a5b9bdb57a46341547e1cc0dac8ca
SHA256: dabf92a5ca1cc00221fa3a12f1b58f1095da5698ea4dcb92ab0c64699cff6d5f

APP INFORMATION

App Name: DVIA-v2
App Type: Swift
Identifier: com.hightitudehacks.DVIAswiftv2
SDK Name: iphoneos17.0
Version: 2.0
Build: 1
Platform Version: 17.0
Min OS Version: 12.0
Supported Platforms: iPhoneOS,

BINARY INFORMATION

Arch: ARM64
Sub Arch: CPU_SUBTYPE_ARM64_ALL
Bit: 64-bit
Endian: <

#CUSTOM URL SCHEMES

URL NAME	SCHEMES
com.hightitudehacks.DVIAswiftv2	dvia dviaswift

☰ APPLICATION PERMISSIONS

PERMISSIONS	STATUS	INFO	REASON IN MANIFEST
NSCameraUsageDescription	dangerous	Access the Camera.	To demonstrate the misuse of Camera, please grant it permission once.
NSFaceIDUsageDescription	normal	Access the ability to authenticate with Face ID.	The app needs FaceID permission

🔒 APP TRANSPORT SECURITY (ATS)

HIGH: 1 | WARNING: 0 | INFO: 0 | SECURE: 0

NO	ISSUE	SEVERITY	DESCRIPTION
1	App Transport Security AllowsArbitraryLoads is allowed	high	App Transport Security restrictions are disabled for all network connections. Disabling ATS means that unsecured HTTP connections are allowed. HTTPS connections are also allowed, and are still subject to default server trust evaluation. However, extended security checks like requiring a minimum Transport Layer Security (TLS) protocol version—are disabled. This setting is not applicable to domains listed in NSExceptionDomains.

⌘ IPA BINARY CODE ANALYSIS

HIGH: 0 | WARNING: 3 | INFO: 2 | SECURE: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	DESCRIPTION
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NO	ISSUE	SEVERITY	STANDARDS	DESCRIPTION
1	Binary makes use of insecure API(s)	warning	CWE: CWE-676: Use of Potentially Dangerous Function OWASP Top 10: M7: Client Code Quality OWASP MASVS: MSTG-CODE-8	The binary may contain the following insecure API(s) _fopen , _memcpy , _printf , _sscanf , _strcpy , _strlen , _strncpy
2	Binary makes use of the insecure Random function(s)	warning	CWE: CWE-330: Use of Insufficiently Random Values OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-6	The binary may use the following insecure Random function(s) _random
3	Binary makes use of Logging function	info	CWE: CWE-532: Insertion of Sensitive Information into Log File OWASP MASVS: MSTG-STORAGE-3	The binary may use _NSLog function for logging.
4	Binary makes use of malloc function	warning	CWE: CWE-789: Uncontrolled Memory Allocation OWASP Top 10: M7: Client Code Quality OWASP MASVS: MSTG-CODE-8	The binary may use _malloc function instead of calloc
5	Binary uses WebView Component.	info	OWASP MASVS: MSTG-CODE-9	The binary may use UIWebView Component.

🔍 IPA BINARY ANALYSIS

PROTECTION	STATUS	SEVERITY	DESCRIPTION
NX	False	info	The binary does not have NX bit set. NX bit offer protection against exploitation of memory corruption vulnerabilities by marking memory page as non-executable. However iOS never allows an app to execute from writeable memory. You do not need to specifically enable the 'NX bit' because it's always enabled for all third-party code.
PIE	True	info	The binary is build with -fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.

PROTECTION	STATUS	SEVERITY	DESCRIPTION
STACK CANARY	True	info	This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.
ARC	True	info	The binary is compiled with Automatic Reference Counting (ARC) flag. ARC is a compiler feature that provides automatic memory management of Objective-C objects and is an exploit mitigation mechanism against memory corruption vulnerabilities.
RPATH	True	warning	The binary has Runpath Search Path (@rpath) set. In certain cases an attacker can abuse this feature to run arbitrary executable for code execution and privilege escalation. Remove the compiler option -rpath to remove @rpath.
CODE SIGNATURE	True	info	This binary has a code signature.
ENCRYPTED	False	warning	This binary is not encrypted.
SYMBOLS STRIPPED	False	warning	Debug Symbols are available. To strip debugging symbols, set Strip Debug Symbols During Copy to YES, Deployment Postprocessing to YES, and Strip Linked Product to YES in project's build settings.

DYNAMIC LIBRARY & FRAMEWORK BINARY ANALYSIS

NO	DYLIB/Framework	NX	STACK CANARY	ARC	RPATH	CODE SIGNATURE	ENCRYPTED	SYMBOLS STRIPPED
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NO	DYLIB/Framework	NX	STACK CANARY	ARC	RPATH	CODE SIGNATURE	ENCRYPTED	SYMBOLS STRIPPED
1	Payload/DVIA-v2.app/Frameworks/Parse.framework/Parse	<p>False info</p> <p>The binary does not have NX bit set. NX bit offer protection against exploitation of memory corruption vulnerabilities by marking memory page as non-executable. However iOS never allows an app to execute from writeable memory. You do not need to specifically enable the 'NX bit' because it's always enabled for all third-party code.</p>	<p>True info</p> <p>This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.</p>	<p>True info</p> <p>The binary is compiled with Automatic Reference Counting (ARC) flag. ARC is a compiler feature that provides automatic memory management of Objective-C objects and is an exploit mitigation mechanism against memory corruption vulnerabilities.</p>	<p>True warning</p> <p>The binary has Runpath Search Path (@rpath) set. In certain cases an attacker can abuse this feature to run arbitrary executable for code execution and privilege escalation. Remove the compiler option -rpath to remove @rpath.</p>	<p>True info</p> <p>This binary has a code signature.</p>	<p>False warning</p> <p>This binary is not encrypted.</p>	<p>False warning</p> <p>Debug Symbols are available. To strip debugging symbols, set Strip Debug Symbols During Copy to YES, Deployment Postprocessing to YES, and Strip Linked Product to YES in project's build settings.</p>

NO	DYLIB/Framework	NX	STACK CANARY	ARC	RPATH	CODE SIGNATURE	ENCRYPTED	SYMBOLS STRIPPED
2	Payload/DVIA-v2.app/Frameworks/Realm.framework/Realm	<p>False info</p> <p>The binary does not have NX bit set. NX bit offer protection against exploitation of memory corruption vulnerabilities by marking memory page as non-executable. However iOS never allows an app to execute from writeable memory. You do not need to specifically enable the 'NX bit' because it's always enabled for all third-party code.</p>	<p>True info</p> <p>This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.</p>	<p>True info</p> <p>The binary is compiled with Automatic Reference Counting (ARC) flag. ARC is a compiler feature that provides automatic memory management of Objective-C objects and is an exploit mitigation mechanism against memory corruption vulnerabilities.</p>	<p>True warning</p> <p>The binary has Runpath Search Path (@rpath) set. In certain cases an attacker can abuse this feature to run arbitrary executable for code execution and privilege escalation. Remove the compiler option -rpath to remove @rpath.</p>	<p>True info</p> <p>This binary has a code signature.</p>	<p>False warning</p> <p>This binary is not encrypted.</p>	<p>False warning</p> <p>Debug Symbols are available. To strip debugging symbols, set Strip Debug Symbols During Copy to YES, Deployment Postprocessing to YES, and Strip Linked Product to YES in project's build settings.</p>

NO	DYLIB/Framework	NX	STACK CANARY	ARC	RPATH	CODE SIGNATURE	ENCRYPTED	SYMBOLS STRIPPED
3	Payload/DVIA-v2.app/Frameworks/Bolts.framework/Bolts	<p>False info</p> <p>The binary does not have NX bit set. NX bit offer protection against exploitation of memory corruption vulnerabilities by marking memory page as non-executable. However iOS never allows an app to execute from writeable memory. You do not need to specifically enable the 'NX bit' because it's always enabled for all third-party code.</p>	<p>True info</p> <p>This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.</p>	<p>True info</p> <p>The binary is compiled with Automatic Reference Counting (ARC) flag. ARC is a compiler feature that provides automatic memory management of Objective-C objects and is an exploit mitigation mechanism against memory corruption vulnerabilities.</p>	<p>True warning</p> <p>The binary has Runpath Search Path (@rpath) set. In certain cases an attacker can abuse this feature to run arbitrary executable for code execution and privilege escalation. Remove the compiler option -rpath to remove @rpath.</p>	<p>True info</p> <p>This binary has a code signature.</p>	<p>False warning</p> <p>This binary is not encrypted.</p>	<p>False warning</p> <p>Debug Symbols are available. To strip debugging symbols, set Strip Debug Symbols During Copy to YES, Deployment Postprocessing to YES, and Strip Linked Product to YES in project's build settings.</p>

NO	DYLIB/Framework	NX	STACK CANARY	ARC	RPATH	CODE SIGNATURE	ENCRYPTED	SYMBOLS STRIPPED
4	Payload/DVIA-v2.app/Frameworks/RealmSwift.framework/RealmSwift	<p>False info</p> <p>The binary does not have NX bit set. NX bit offer protection against exploitation of memory corruption vulnerabilities by marking memory page as non-executable. However iOS never allows an app to execute from writeable memory. You do not need to specifically enable the 'NX bit' because it's always enabled for all third-party code.</p>	<p>True info</p> <p>This binary has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.</p>	<p>True info</p> <p>The binary is compiled with Automatic Reference Counting (ARC) flag. ARC is a compiler feature that provides automatic memory management of Objective-C objects and is an exploit mitigation mechanism against memory corruption vulnerabilities.</p>	<p>True warning</p> <p>The binary has Runpath Search Path (@rpath) set. In certain cases an attacker can abuse this feature to run arbitrary executable for code execution and privilege escalation. Remove the compiler option -rpath to remove @rpath.</p>	<p>True info</p> <p>This binary has a code signature.</p>	<p>False warning</p> <p>This binary is not encrypted.</p>	<p>False warning</p> <p>Debug Symbols are available. To strip debugging symbols, set Strip Debug Symbols During Copy to YES, Deployment Postprocessing to YES, and Strip Linked Product to YES in project's build settings.</p>

</> CODE ANALYSIS

NO	ISSUE	SEVERITY	STANDARDS	FILES
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! OFAC SANCTIONED COUNTRIES

This app may communicate with the following OFAC sanctioned list of countries.

DOMAIN	COUNTRY/REGION
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DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
www.example.com	ok	IP: 111.223.64.40 Country: Singapore Region: Singapore City: Singapore Latitude: 1.289670 Longitude: 103.850067 View: Google Map
cacerts.digicert.com	ok	IP: 23.210.96.161 Country: Germany Region: Berlin City: Berlin Latitude: 52.524368 Longitude: 13.410530 View: Google Map
github.com	ok	IP: 20.205.243.166 Country: United States of America Region: Washington City: Redmond Latitude: 47.682899 Longitude: -122.120903 View: Google Map

DOMAIN	STATUS	GEOLOCATION
api.mixpanel.com	ok	IP: 35.186.241.51 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
www.thejuniperfund.org	ok	IP: 198.185.159.144 Country: United States of America Region: New York City: New York City Latitude: 40.734699 Longitude: -74.005898 View: Google Map
realm.io	ok	IP: 13.35.202.27 Country: India Region: Telangana City: Hyderabad Latitude: 17.375280 Longitude: 78.474442 View: Google Map
api.login.yahoo.com	ok	IP: 106.10.248.157 Country: Singapore Region: Singapore City: Singapore Latitude: 1.289670 Longitude: 103.850067 View: Google Map
crl.apple.com	ok	IP: 17.253.61.198 Country: United States of America Region: Arizona City: Mesa Latitude: 33.422272 Longitude: -111.822639 View: Google Map

DOMAIN	STATUS	GEOLOCATION
api.parse.com	ok	IP: 157.240.15.1 Country: Netherlands Region: Noord-Holland City: Amsterdam Latitude: 52.374031 Longitude: 4.889690 View: Google Map
ssl.google-analytics.com	ok	IP: 172.253.118.97 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
example.com	ok	IP: 23.192.228.80 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
twitter.com	ok	IP: 172.66.0.227 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
ocsp.apple.com	ok	IP: 17.253.61.199 Country: United States of America Region: Arizona City: Mesa Latitude: 33.422272 Longitude: -111.822639 View: Google Map

DOMAIN	STATUS	GEOLOCATION
data.flurry.com	ok	No Geolocation information available.
www.example.org0	ok	No Geolocation information available.
ocsp.digicert.com0m	ok	No Geolocation information available.
crl3.digicert.com	ok	IP: 23.210.96.161 Country: Germany Region: Berlin City: Berlin Latitude: 52.524368 Longitude: 13.410530 View: Google Map
www.apple.com	ok	IP: 23.205.208.203 Country: United States of America Region: New Jersey City: Secaucus Latitude: 40.796719 Longitude: -74.055321 View: Google Map
www.youtube.com	ok	IP: 64.233.170.91 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.example.edu	ok	IP: 111.223.64.18 Country: Singapore Region: Singapore City: Singapore Latitude: 1.289670 Longitude: 103.850067 View: Google Map

DOMAIN	STATUS	GEOLOCATION
certs.apple.com	ok	IP: 17.253.61.203 Country: United States of America Region: Arizona City: Mesa Latitude: 33.422272 Longitude: -111.822639 View: Google Map
damnvulnerableiosapp.com	ok	IP: 3.33.251.168 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
www.example.org	ok	IP: 111.223.64.10 Country: Singapore Region: Singapore City: Singapore Latitude: 1.289670 Longitude: 103.850067 View: Google Map
goo.gl	ok	IP: 64.233.170.139 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.google.com	ok	IP: 172.217.194.104 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.google-analytics.com	ok	IP: 74.125.130.102 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.digicert.com1	ok	No Geolocation information available.
www.example.net0	ok	No Geolocation information available.
www.digicert.com	ok	IP: 45.60.125.229 Country: United States of America Region: California City: Redwood City Latitude: 37.532440 Longitude: -122.248833 View: Google Map
highaltitudehacks.com	ok	IP: 185.199.109.153 Country: United States of America Region: Pennsylvania City: California Latitude: 40.065632 Longitude: -79.891708 View: Google Map
google.com	ok	IP: 142.251.10.139 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
cfg.flurry.com	ok	IP: 69.147.80.15 Country: United States of America Region: New York City: New York City Latitude: 40.731323 Longitude: -73.990089 View: Google Map

EMAILS

EMAIL	FILE
test123@gmail.com defaultrealm@host.com j2@j.rj	DVIA-v2.app/DVIA-v2
test123@gmail.com defaultrealm@host.com	IPA Strings Dump
help@realm.io	Payload/DVIA-v2.app/Frameworks/Realm.framework/Realm

TRACKERS

TRACKER	CATEGORIES	URL
Flurry	Analytics, Advertisement	https://reports.exodus-privacy.eu.org/trackers/25
Google Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/48
MixPanel	Analytics	https://reports.exodus-privacy.eu.org/trackers/118

SCAN LOGS

Timestamp	Event	Error
2025-08-19 07:41:13	iOS Binary (IPA) Analysis Started	OK
2025-08-19 07:41:13	Generating Hashes	OK
2025-08-19 07:41:13	Extracting IPA	OK
2025-08-19 07:41:13	Unzipping	OK
2025-08-19 07:41:13	iOS File Analysis and Normalization	OK
2025-08-19 07:41:13	iOS Info.plist Analysis Started	OK
2025-08-19 07:41:13	Finding Info.plist in iOS Binary	OK
2025-08-19 07:41:13	Fetching Details from App Store: com.hightitudehacks.DVIAswiftv2	OK
2025-08-19 07:41:13	Searching for secrets in plist files	OK
2025-08-19 07:41:13	Starting Binary Analysis	OK
2025-08-19 07:41:13	Dumping Classes from the binary	OK

2025-08-19 07:41:14	Running jtool against the binary for dumping classes	OK
2025-08-19 07:41:24	Library Binary Analysis Started	OK
2025-08-19 07:41:24	Framework Binary Analysis Started	OK
2025-08-19 07:41:24	Analyzing Payload/DVIA-v2.app/Frameworks/Parse.framework/Parse	OK
2025-08-19 07:41:24	Analyzing Payload/DVIA-v2.app/Frameworks/Realm.framework/Realm	OK
2025-08-19 07:41:25	Analyzing Payload/DVIA-v2.app/Frameworks/Bolts.framework/Bolts	OK
2025-08-19 07:41:25	Analyzing Payload/DVIA-v2.app/Frameworks/RealmSwift.framework/RealmSwift	OK
2025-08-19 07:41:25	Extracting String Metadata	OK
2025-08-19 07:41:25	Extracting URL and Email from IPA	OK
2025-08-19 07:41:28	Performing Malware check on extracted domains	OK
2025-08-19 07:41:34	Fetching IPA icon path	OK
2025-08-19 07:41:36	Detecting Trackers from Domains	OK

2025-08-19 07:41:36	Saving to Database	OK
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Report Generated by - MobSF v4.4.0

Mobile Security Framework (MobSF) is an automated, all-in-one mobile application (Android/iOS/Windows) pen-testing, malware analysis and security assessment framework capable of performing static and dynamic analysis.

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