

Static Analysis - Test2_insec-con.ipa

FILE INFORMATION

File Name:b Test2_insec-con.ipa

Size: 0.02MB

MD5: 246ec51311e880c11a8eb6ea88bc95c1

SHA1: be1d61e942e7f889ba10c390c4fb5a42625571f8

SHA256:
1b0dfc9c03e0ee43356f3f44b58f0caa89f2a934a09f0e30f23ccc9f6326ab

APP INFORMATION

App Name:

Identifier: com.test.Test2

Version: 1

SDK Name: iphonesimulator10.2

Platform Version: 10.2

Min OS Version: 9.3

PERMISSIONS

Permissions	Description	Reason in Manifest
NSAppleMusicUsageDescription	Access Apple Media Library.	TestTest

App Transport Security (ATS)

ISSUE	STATUS	DESCRIPTION
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ISSUE	STATUS	DESCRIPTION
Exception NSAppTransportSecurity found.	Insecure	App Transport Security (ATS) is disabled on 'ipify.org'. Disabling ATS can allow insecure communication with particular servers or allow insecure loads for web views or for media, while maintaining ATS protections elsewhere in your app.

BINARY ANALYSIS

ISSUE	STATUS	DESCRIPTION
fPIE -pie flag is Found	Secure	App is compiled with Position Independent Executable (PIE) flag. This enables Address Space Layout Randomization (ASLR), a memory protection mechanism for exploit mitigation.
fstack-protector-all flag is Found	Secure	App is compiled with Stack Smashing Protector (SSP) flag and is having protection against Stack Overflows/Stack Smashing Attacks.
fobjc-arc flag is Found	Secure	App 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.
Binary make use of banned API(s)	Insecure	The binary may contain the following banned API(s) strcpy .
Binary make use of Logging Function	Info	The binary may use NSLog function for logging.

FILE ANALYSIS

Plist Files [Test2.app/Info.plist](#)
[Test2.app/Base.lproj/LaunchScreen.storyboardc/Info.plist](#)
[Test2.app/Base.lproj/Main.storyboardc/Info.plist](#)

LIBRARIES

Test2:
/System/Library/Frameworks/Foundation.framework/Foundation (compatibility version 300.0.0, current version 1349.13.0)
/usr/lib/libobjc.A.dylib (compatibility version 1.0.0, current version 228.0.0)
/usr/lib/libSystem.dylib (compatibility version 1.0.0, current version 1238.0.0)
/System/Library/Frameworks/CoreFoundation.framework/CoreFoundati (compatibility version 150.0.0, current version 1348.22.0)
/System/Library/Frameworks/MediaPlayer.framework/MediaPlayer (compatibility version 1.0.0, current version 1.0.0)
/System/Library/Frameworks/UIKit.framework/UIKit (compatibility version 1.0.0, current version 3600.6.21)

STRINGS

'someMethod:'
'performSelector:'
'v40@0:8@"UIApplication"16@"NSString"24@?<v@?>32'
'ASBZBUA`'
'applicationDidEnterBackground:'
'v56@0:8@16{CGRect={CGPoint=dd}{CGSize=dd}}24'
'v32@0:8@16q24'
'dataWithContentsOfURL:options:error:'
'v32@0:8@"UIApplication"16@"CKShareMetadata"24'
'v48@0:8@16@24@32@?40'
'Vv16@0:8'
'B32@0:8@"UIApplication"16@"NSDictionary"24'
'TDp0YCRERARARARARARARARARARARARARARARARARBRB`'
'application:handleActionWithIdentifier:forRemoteNotification:withResponse:'
'application:didChangeStatusBarFrame:'
'applicationWillEnterForeground:'
'B40@0:8@"UIApplication"16@"NSUserActivity"24@?<v@?>
@"NSArray">32'
'application:handleActionWithIdentifier:forRemoteNotification:completion:'
'B32@0:8@"UIApplication"16@"NSCoder"24'
'application:willContinueUserActivityWithType:'
'AAAAAAAAAAAAAB'
'application:didRegisterForRemoteNotificationsWithDeviceToken:'
'dataWithContentsOfURL:'
'mainBundle'
'v24@0:8@"UIApplication"16'
'v56@0:8@"UIApplication"16@"NSString"24@"UILocalNotification"32@<v@?>48'
'AppDelegate.m'
'NSObject'
'application:handleActionWithIdentifier:forLocalNotification:withResponse:'
'My Alert'
'application:didUpdateUserActivity:'
'retain'
'performSelector:withObject:'
'presentViewController:animated:completion:'
'p p RC'
'v32@0:8@"UIApplication"16@"UILocalNotification"24'
'https://api.ipify.org'
'v32@0:8@"UIApplication"16@"NSData"24'
'didReceiveMemoryWarning'
'application:handleActionWithIdentifier:forLocalNotification:completion:'
'application:didReceiveLocalNotification:'
'http://api.ipify.org'

```
'applicationProtectedDataDidBecomeAvailable:'  
'addTarget:action:forControlEvents:'  
'application:supportedInterfaceOrientationsForWindow:'  
'AppDelegate'  
'path=%@'  
'initWithData:encoding:'  
'application:performFetchWithCompletionHandler:'  
'I@viewDidLoad'  
'v32@0:8@16@24'  
'applicationSignificantTimeChange:'  
'KMETACLASS_$_'  
'application:willChangeStatusBarOrientation:duration:'  
'respondsToSelector:'  
'main.m'  
'error=%@'  
'application:didChangeStatusBarOrientation:'  
'ViewController'  
'Q32@0:8@16@24'  
'fffff.'  
'v16@?0q8'  
'addAction:'  
'application:shouldAllowExtensionPointIdentifier:'  
'applicationShouldRequestHealthAuthorization:'  
'B32@0:8@16@24'  
'CLASS_$_'  
'v24@0:8@16'  
'Media-Permission: denied'  
'B48@0:8@"UIApplication"16@"NSURL"24@"NSString"32@40'  
'application:continueUserActivity:restorationHandler:'  
'application:handleOpenURL:'  
'v40@0:8@"UIApplication"16@"NSString"24@"NSError"32'  
'RARARARARARARARARARARARARARARARARARARARARARARARA  
p'  
'application:userDidAcceptCloudKitShareWithMetadata:'  
'application:handleWatchKitExtensionRequest:reply:'  
'v32@0:8@"UIApplication"16q24'  
'initWithFrame:'  
'v16@?0@"UIAlertAction"8'  
'B48@0:8@16@24@32@40'  
'applicationDidFinishLaunching:'  
'v40@0:8@"UIApplication"16@"UIApplicationShortcutItem"24@?<v@?  
B>32'  
'superclass'  
'application:shouldRestoreApplicationState:'
```

'application:willFinishLaunchingWithOptions:'
'applicationProtectedDataWillBecomeUnavailable:'
'application:performActionForShortcutItem:completionHandler:'
'v32@0:8@"UIApplication"16@"NSCoder"24'
'applicationWillResignActive:'
'requestAuthorization:'
'retainCount'
'B32@0:8@"UIApplication"16@"NSURL"24'
'application:didReceiveRemoteNotification:'
'application:didFailToRegisterForRemoteNotificationsWithError:'
'ret=%@'
'v24@0:8@"UIWindow"16'
'URLWithString:'
'kAppDelegate'
'T@"NSString",R,C'
'T@"UIWindow",&N,V_window'
'debugDescription'
'alertControllerWithTitle:message:preferredStyle:'
'application:viewControllerWithRestorationIdentifierPath:coder:'
'B16@0:8'
'description'
'B40@0:8@16@24@?32'
'autorelease'
'v40@0:8@"UIApplication"16@"NSDictionary"24@?<v@?
@"NSDictionary">32'
'application:didRegisterUserNotificationSettings:'
'application:willEncodeRestorableStateWithCoder:'
'B24@0:8#16'
'release'
'isKindOfClass:'
'application:didFinishLaunchingWithOptions:'
'setFrame:'
'v56@0:8@16@24@32@40@?48'
'application:openURL:options:'
'B32@0:8@"UIApplication"16@"NSString"24'
'window'
'B24@0:8@16'
'application:shouldSaveApplicationState:'
'v32@0:8@16@?24'
'T@"UIWindow",&N'
'applicationDidBecomeActive:'
'isMemberOfClass:'
'B40@0:8@"UIApplication"16@"NSURL"24@"NSDictionary"32'
'v32@0:8@"UIApplication"16@?<v@?Q>24'

'conformsToProtocol:'
'setWindow:'
'com.test.Test2'
'ViewController.m'
'application:didDecodeRestorableStateWithCoder:'
'Q32@0:8@"UIApplication"16@"UIWindow"24'
'v32@0:8@"UIApplication"16@"UIUserNotificationSettings"24'
'v32@0:8@"UIApplication"16@"NSError"24'
'setTitle:forState:'
'application:didReceiveRemoteNotification:fetchCompletionHandler:'
'Media-Permission: authorized'
'v56@0:8@"UIApplication"16@"NSString"24@"NSDictionary"32@"NSDi
<v@?>48'
'applicationWillTerminate:'
'v48@0:8@"UIApplication"16@"NSString"24@"UILocalNotification"32@
<v@?>40'
'B24@0:8:16'
'v32@0:8@"UIApplication"16@"NSDictionary"24'
'resourcePath'
'v32@0:8@"UIApplication"16@"NSUserActivity"24'
'localizedDescription'
'Media-Permission: restricted'
'v40@0:8@16@24@?32'
'Q16@0:8'
'v40@0:8@16@24@32'
'addSubview:'
'B24@0:8@"Protocol"16'
'application:openURL:sourceApplication:annotation:'
'buttonWithType:'
'v16@0:8'
'UIApplicationDelegate'
'application:willChangeStatusBarFrame:'
'setText:'
'performSelector:withObject:withObject:'
'B40@0:8@16@24@32'
'dyld_stub_binder'
'Media-Permission: Not determined'
'applicationDidReceiveMemoryWarning:'
'application:didFailToContinueUserActivityWithType:error:'
'actionWithTitle:style:handler:'
'Hello again!'
'isEqual:'
'isProxy'
'v40@0:8@"UIApplication"16q24d32'

```
'v48@0:8@"UIApplication"16@"NSString"24@"NSDictionary"32@?
<v@?>40'
'v56@0:8@"UIApplication"16{CGRect={CGPoint=dd}
{CGSize=dd}}24'
'v40@0:8@16q24d32'
'v40@0:8@"UIApplication"16@"NSDictionary"24@?<v@?Q>32'
'application:handleEventsForBackgroundURLSession:completionHandler
```

FILES

```
Test2.app/Info.plist
Test2.app/PkgInfo
Test2.app/Test2
Test2.app/_CodeSignature/CodeResources
Test2.app/Base.lproj/LaunchScreen.storyboardc/01J-lp-oVM-view-
Ze5-6b-2t3.nib
Test2.app/Base.lproj/LaunchScreen.storyboardc/Info.plist
Test2.app/Base.lproj/LaunchScreen.storyboardc/UIViewController-
01J-lp-oVM.nib
Test2.app/Base.lproj/Main.storyboardc/BYZ-38-t0r-view-8bC-Xf-
vdC.nib
Test2.app/Base.lproj/Main.storyboardc/Info.plist
Test2.app/Base.lproj/Main.storyboardc/UIViewController-BYZ-38-
t0r.nib
```

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