

ANDROID STATIC ANALYSIS REPORT



♣ Sleep Number (5.2.10)

Package Name:	com.selectcomfort.SleepIQ
Scan Date:	Sept. 1, 2025, 8:34 a.m.
App Security Score:	47/100 (MEDIUM RISK
Grade:	
Trackers Detection:	5/432



ਜ਼ HIGH	▲ MEDIUM	i INFO	✓ SECURE	ℚ HOTSPOT
4	16	1	2	1

FILE INFORMATION

File Name: com.selectcomfort.SleepIQ_1732019668.apk

Size: 64.69MB

MD5: e9ca6c45b3f6e3d8efa7d4d866a5dc3b

SHA1: 35be6cfeed98b079d4f8b66171a01829d0bddaa0

\$HA256: 204cd652f555dbb00dcb8234ea292f52e4c1638736a4bcfe9c0e8e9a959d111b

i APP INFORMATION

App Name: Sleep Number

Package Name: com.selectcomfort.SleepIQ

Main Activity: com.selectcomfort.sleepiq.app.v4.ui.splash.SplashScreenActivity

Target SDK: 34 Min SDK: 29 Max SDK:

Android Version Name: 5.2.10
Android Version Code: 1732019668

EE APP COMPONENTS

Activities: 26 Services: 13 Receivers: 6 Providers: 6

Exported Activities: 3 Exported Services: 0 Exported Receivers: 3

***** CERTIFICATE INFORMATION

Binary is signed v1 signature: False v2 signature: False v3 signature: True v4 signature: False

X.509 Subject: O=SelectComfort Signature Algorithm: rsassa_pkcs1v15 Valid From: 2014-11-03 17:27:08+00:00 Valid To: 2039-10-28 17:27:08+00:00

Issuer: O=SelectComfort Serial Number: 0x2db024b6 Hash Algorithm: sha256

md5: 42f8b0139376d99d634639fc60209270

sha1: b9279b2f2f894b246820e3d612b0370040706a30

sha256: 9699d8b0c97400ea407673b0d1f5aeccc111f96dc51d7c7ad6b4a9f4b69bd65c

sha512: bc81442a8d679ca560ff11d878b16b279fead1df965d2d9000549598fb0be26740caa3ab0930236ac01f3db73e75bae7292a3b97f4441c1058fb6e46209399dc

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: a8394d455cd79af2acb89c2923ea27d843029f34b9dededebd0d26cc09250a75

Found 1 unique certificates

⋮ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.BLUETOOTH	normal	create Bluetooth connections	Allows applications to connect to paired bluetooth devices.
android.permission.BLUETOOTH_ADMIN	normal	bluetooth administration	Allows applications to discover and pair bluetooth devices.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.ACCESS_FINE_LOCATION	dangerous	fine (GPS) location	Access fine location sources, such as the Global Positioning System on the phone, where available. Malicious applications can use this to determine where you are and may consume additional battery power.
android.permission.ACCESS_WIFI_STATE	normal	view Wi-Fi status	Allows an application to view the information about the status of Wi-Fi.
android.permission.CHANGE_WIFI_STATE	normal	change Wi-Fi status	Allows an application to connect to and disconnect from Wi-Fi access points and to make changes to configured Wi-Fi networks.
android.permission.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
android.permission.RECEIVE_BOOT_COMPLETED	normal	automatically start 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.SCHEDULE_EXACT_ALARM	normal	permits exact alarm scheduling for background work.	Allows an app to use exact alarm scheduling APIs to perform timing sensitive background work.
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications
com.google.android.c2dm.permission.RECEIVE	normal	recieve push notifications	Allows an application to receive push notifications from cloud.
.permission.C2D_MESSAGE	unknown	Unknown permission	Unknown permission from android reference
android.permission.SYSTEM_ALERT_WINDOW	dangerous	display system-level alerts	Allows an application to show system-alert windows. Malicious applications can take over the entire screen of the phone.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.BLUETOOTH_CONNECT	dangerous	necessary for connecting to paired Bluetooth devices.	Required to be able to connect to paired Bluetooth devices.
android.permission.BLUETOOTH_SCAN	dangerous	required for discovering and pairing Bluetooth devices.	Required to be able to discover and pair nearby Bluetooth devices.
android.permission.ACCESS_COARSE_LOCATION	dangerous	coarse (network-based) location	Access coarse location sources, such as the mobile network database, to determine an approximate phone location, where available. Malicious applications can use this to determine approximately where you are.
no.nordicsemi.android.LOG	unknown	Unknown permission	Unknown permission from android reference
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete external storage contents	Allows an application to write to external storage.
android.permission.READ_MEDIA_IMAGES	dangerous	allows reading image files from external storage.	Allows an application to read image files from external storage.
android.permission.READ_MEDIA_VIDEO	dangerous	allows reading video files from external storage.	Allows an application to read video files from external storage.
android.permission.MODIFY_AUDIO_SETTINGS	normal	change your audio settings	Allows application to modify global audio settings, such as volume and routing.
android.permission.FOREGROUND_SERVICE	normal	enables regular apps to use Service.startForeground.	Allows a regular application to use Service.startForeground.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.DETECT_SCREEN_CAPTURE	normal	notifies when a screen capture of the app's windows is attempted.	Allows an application to get notified when a screen capture of its windows is attempted.
android.permission.ACCESS_ADSERVICES_ATTRIBUTION	normal	allow applications to access advertising service attribution	This enables the app to retrieve information related to advertising attribution, which can be used for targeted advertising purposes. App can gather data about how users interact with ads, such as clicks or impressions, to measure the effectiveness of advertising campaigns.
android.permission.ACCESS_ADSERVICES_AD_ID	normal	allow app to access the device's advertising ID.	This ID is a unique, user-resettable identifier provided by Google's advertising services, allowing apps to track user behavior for advertising purposes while maintaining user privacy.
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	normal	permission defined by google	A custom permission defined by Google.
com.selectcomfort.SleepIQ.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference
android.permission.REORDER_TASKS	normal	reorder applications running	Allows an application to move tasks to the foreground and background. Malicious applications can force themselves to the front without your control.

ক্ল APKID ANALYSIS

FILE	DETAILS	
e9ca6c45b3f6e3d8efa7d4d866a5dc3b.apk	FINDINGS	DETAILS
	Anti-VM Code	possible VM check

FILE	DETAILS	
	FINDINGS	DETAILS
	yara_issue	yara issue - dex file recognized by apkid but not yara module
classes.dex	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.TAGS check possible VM check
	Anti Debug Code	Debug.isDebuggerConnected() check
	Compiler	unknown (please file detection issue!)

FILE	DETAILS		
	FINDINGS	DETAILS	
	yara_issue	yara issue - dex file recognized by apkid but not yara module	
classes2.dex	Anti-VM Code Anti Debug Code Compiler	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.BOARD check Build.TAGS check network operator name check Debug.isDebuggerConnected() check unknown (please file detection issue!)	
	FINDINGS	DETAILS	
classes3.dex	yara_issue	yara issue - dex file recognized by apkid but not yara module	
	Compiler	unknown (please file detection issue!)	



ACTIVITY	INTENT
com.selectcomfort.sleepiq.app.v4.ui.splash.SplashScreenActivity	Schemes: sleepiq://, https://, Hosts: sleepiq.sleepnumber.com, test-ui.siq.sleepnumber.com, test-ui.test.siq.sleepnumber.com, stage- ui.stage.sleepnumber.com, circle1-ui.circle.siq.sleepnumber.com, qa21-ui.dev.siq.sleepnumber.com, qa22- ui.dev.siq.sleepnumber.com, qa23-ui.dev.siq.sleepnumber.com, dev21-ui.dev.siq.sleepnumber.com, dev22- ui.dev.siq.sleepnumber.com, dev23-ui.dev.siq.sleepnumber.com, dev24-ui.dev.siq.sleepnumber.com, dev26- ui.dev.siq.sleepnumber.com, Path Prefixes: /deeplink,

△ NETWORK SECURITY

NO SCOPE SEVERITY DESCRIPTION	
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CERTIFICATE ANALYSIS

HIGH: 0 | WARNING: 0 | INFO: 1

TITLE	SEVERITY	DESCRIPTION
Signed Application	info	Application is signed with a code signing certificate

Q MANIFEST ANALYSIS

HIGH: 1 | WARNING: 6 | INFO: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	DESCRIPTION
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NO	ISSUE	SEVERITY	DESCRIPTION
1	App Link assetlinks.json file not found [android:name=com.selectcomfort.sleepiq.app.v4.ui.splash.SplashScreenActivity] [android:host=https://test-ui.siq.sleepnumber.com]	high	App Link asset verification URL (https://test-ui.siq.sleepnumber.com/.well-known/assetlinks.json) not found or configured incorrectly. (Status Code: None). App Links allow users to redirect from a web URL/email to the mobile app. If this file is missing or incorrectly configured for the App Link host/domain, a malicious app can hijack such URLs. This may lead to phishing attacks, leak sensitive data in the URI, such as PII, OAuth tokens, magic link/password reset tokens and more. You must verify the App Link domain by hosting the assetlinks.json file and enabling verification via [android:autoVerify="true"] in the Activity intent-filter.
2	Broadcast Receiver (com.google.firebase.iid.FirebaseInstanceIdReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.c2dm.permission.SEND [android:exported=true]	warning	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. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
3	Activity (androidx.test.core.app.lnstrumentationActivityInvoker\$BootstrapActivity) is not Protected. [android:exported=true]	warning	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
4	Activity (androidx.test.core.app.lnstrumentationActivityInvoker\$EmptyActivity) is not Protected. [android:exported=true]	warning	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
5	Activity (androidx.test.core.app.InstrumentationActivityInvoker\$EmptyFloatingActivity) is not Protected. [android:exported=true]	warning	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
6	Broadcast Receiver (no.nordicsemi.android.support.v18.scanner.PendingIntentReceiver) is not Protected. [android:exported=true]	warning	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.

NO	ISSUE	SEVERITY	DESCRIPTION
7	Broadcast Receiver (androidx.profileinstaller.ProfileInstallReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.DUMP [android:exported=true]	warning	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. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

</> CODE ANALYSIS

HIGH: 2 | WARNING: 8 | INFO: 1 | SECURE: 2 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	FILES
				P1/g.java R1/f.java R1/r.java R1/r.java R1/y.java Re/a.java Zf/i.java com/microsoft/windowsazure/messaging/Connection.java com/microsoft/windowsazure/messaging/NotificationHub.j ava com/microsoft/windowsazure/messaging/notificationhubs /ConnectionString.java com/microsoft/windowsazure/messaging/notificationhubs /DebounceInstallationAdapter.java com/microsoft/windowsazure/messaging/notificationhubs /IdAssignmentVisitor.java com/microsoft/windowsazure/messaging/notificationhubs /NotificationHub.java com/microsoft/windowsazure/messaging/notificationhubs /PlatformVisitor.java com/microsoft/windowsazure/messaging/notificationhubs /PushChannelVisitor.java com/microsoft/windowsazure/messaging/notificationhubs /TagVisitor.java com/microsoft/windowsazure/messaging/notificationhubs /TagVisitor.java com/microsoft/windowsazure/messaging/notificationhubs

NO	ISSUE	SEVERITY	STANDARDS	com/microsoft/windowsazure/messaging/notificationhubs /UserIdVisitor.java
				com/selectcomfort/bedcontrolframework/device/call/GetS oftwareInfoCall.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/AccessPointStartStop.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/ApplyFrostyFirmware.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/ApplyHeidiFirmware.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/ApplyHeidiFirmware.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/CalibrateAtmosphericOffset.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/CalibrateAtmosphericOffset.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/CancelCurrentDiagnosticRun.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/CancelTargetPreset.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/CreateBosonOnDemandTunnel.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/CreateBosonOnDemandTunnel.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/CreateTemperatureProgram.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/CreateThermalRoutine.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/DeletelotCoreCredentials.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/DeleteRoutine.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/DeleteRoutine.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/DeleteRoutine.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/DeleteRoutine.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetAccessPointStatus.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetAccessPointStatus.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetActiveRoutines.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetActiveRoutines.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetActuatorMovementStatus.java com/selectco

NO	ISSUE	SEVERITY	STANDARDS	com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetAlgoMotionStatus.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetAlgoThresholdLevel.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetAlgoVersion.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetAllHeidiRoutineNames.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetAllLedStates.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetAmbientSleepNumber.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetApplicationVersion.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetArticulationPresetSettings.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetAtmosphericOffset.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetBedConfiguration.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetBedPresence.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetCentralDevicesMetadata.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetCurrentPreset.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetDataAcquisitionRate.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetDevicelpAddress.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFavoriteSleepNumber.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFileOverBle.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFootwarmingPresence.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFootwarmingSettings.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFriendlyHeidiRoutineJson.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFrostyMode.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFrostyPresence.java

Ю	ISSUE	SEVERITY	STANDARDS	generated/GetFrostyVersion.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFuzionConfiguredName.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFuzionRemoteAlerts.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFuzionRemoteInfo.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetFuzionRemoteMacAddresses.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetGooseApplicationVersion.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetGooseBootloaderVersion.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetHealthStatusOfTemperatureStrip.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetHeidiMode.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetHeidiPresence.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetHeidiRoutine.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetHeidiVersion.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetLastCreqCommand.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetLogLevel.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetManifestName.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetManifestUpdateNeededInfo.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetManifestVersion.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetNextRemoteBinary.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetPrimaryMacAddress.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetPsiValue.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetPumpGpioBits.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetRawPressureValue.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/GetResponsiveAirEnabledStatus.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/

NO	ISSUE	SEVERITY	STANDARDS	generated/GetRootFilesystemVersion.java Fult Selectcomfort/bedcontrolframework/fuzion/bamkey/
1	Files may contain hardcoded sensitive information like usernames, passwords, keys etc.	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSensorTemperature.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSimpleDiagnosticRunResults.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSleepNumberAdjustmentStatus.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSleepNumberControls.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSleepiPrivacyState.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSoftwareReadablePartIdentifiers.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSystemConfiguration.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSystemSettingsAppliedStatus.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSystemStatus.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetSystemUptime.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetTargetPresetInfoWithoutTimer.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetTargetPresetWithTimer.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetTemperatureProgramInfo.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetTemperatureProgramInfo.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetTemperatureProgramVersion.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetTemperatureProgramSettings.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetTemperaturePrograms.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetUnderbedLightErrorStatus.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetUnderbedLightErrorStatus.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetUnderbedLightSettings.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetUpdateSoftwareFlag.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/ generated/GetUpdateSoft

compsetection of Deservoir Control of Transverse (Augustian Markey) generated (SetWith Information Java compsetection for Underground of Transverse (Augustian Markey) generated (SetWith Information Java compsetection for Underground of Transverse (Augustian Markey) generated (SetWith Information Java compsetection for Underground of Transverse (Augustian Markey) generated (SetWith Information Java compsetection for Underground of Transverse (Augustian Markey) generated (SetWith Information Java) compsete (Compfort Deservoir Control from Work (Augustian Markey) generated (Fall Augustian Java) compsete (Compfort Deservoir Control from Work (Augustian Markey) generated (Fall Augustian Java) compsete (Compfort Deservoir Compfort (Augustian Markey) generated (Fall Augustian Java) compsete (Compfort Deservoir Compfort Markey) generated (Fall Augustian Java) compsete (Compfort Deservoir Compfort (Augustian Java) generated (Fall Augustian Java) compsete (Compfort Deservoir Compfort (Augustian Java) generated (Fall Augustian Java) compsete (Compfort Deservoir Compfort (Augustian Java) generated (Fall Augustian	NO	ISSUE	SEVERITY	STANDARDS	com/selectcomfort/bedcontrolframework/fuzion/bamkey/FILES generated/GetUserSleepNumber.java
					com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/GetWatchdogServiceStatusReport.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/GetWifilnformation.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/GetWifiScanResults.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/GetsActuatorHomingState.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/HaltActuator.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/HaltActuator.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/HaltAllActuators.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/HealthRecordEnableSet.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/HealthRecordFlushSet.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/IdForCurrentRun.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/InterruptSleepNumberAdjustment.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/IsFrostyUpdating.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/IsFicostyUpdating.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/MigrateRoutinesToTemperaturePrograms.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/MultipleBamkeysViaJson.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/RebootFrosty.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/RebootFrosty.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/RebootSystem.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/RebootSystem.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/RemoveHeidiRoutine.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/RequestAndWaitForVersionInformation.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/generated/RequestRemoteFirmwareVersions.java

NO	ISSUE	SEVERITY	STANDARDS	com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetActuatorTargetPositionWithTimer.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetAlertMessage.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetArticulationPresetSettings.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetBedConfiguration.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetBedPresence.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetCreqCommand.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetFavoriteSleepNumber.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetFootwarmingSettings.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetFrostyMode.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetHeidiMode.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetHeidiRoutine.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetLogLevel.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetLogMessage.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetNetworkInitializationConfigData.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetPumpGpioBits.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetRemoteInformation.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetResponsiveAirEnabledStatus.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetRoutine.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetSleepiqPrivacyState.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetSystemTime.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetTargetPresetWithTimer.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetTargetPresetWithoutTimer.java

10	ISSUE	SEVERITY	STANDARDS	generated/SetTemperatureProgram.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetThrottlingParametersForSrl.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetUnderbedLightAutoMode.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetUnderbedLightSettings.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetUpdateSoftwareFlag.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/SetUploadRate.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/StartDiagnosticRun.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/StartGooseUpdate.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/StartHdOfflineUpdate.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/StartRemoteFirmwareUpdate.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/StartSleepNumberAdjustment.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/StartsActuatorHoming.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/TestLoopback.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/UnpairDevice.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/UpdateFrostyFirmware.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				generated/UpdateHeidiFirmware.java
				com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				-
				generated/UploadDiagnosticRunResult.java com/selectcomfort/bedcontrolframework/fuzion/bamkey/
				-
				generated/UploadDiagnosticsResultsOverBle.java
				com/selectcomfort/sleepframework/n.java
				com/selectcomfort/sleepiq/network/api/account/CognitoL
				oginRequest.java
				com/selectcomfort/sleepiq/network/api/account/LegalResp
				onse.java
				com/selectcomfort/sleepiq/network/api/account/LoginReq
				uest.java
				com/selectcomfort/sleepiq/network/api/bamkey/BamkeyR
				equestBody.java
				com/selectcomfort/sleepiq/network/api/devicewifi/AddNe
				wWifiRequest.java

NO	ISSUE	SEVERITY	STANDARDS	com/selectcomfort/sleepiq/network/api/devicewifi/Networ
'		<u> </u>		com/selectcomfort/sleepig/network/api/profile/SleeperApp
ļ	'	1		licationSettingsApiData.java
ļ	'	1		com/selectcomfort/sleepiq/network/api/registration/Activa
ļ	'	1		teAccountRequest.java
ļ	'	1		com/selectcomfort/sleepiq/network/api/sleeper/AddSleepe
ļ	'	1		rRequest.java
ļ	'	1		com/selectcomfort/sleepiq/network/api/sleeper/ChangePa
ļ	'	1		sswordRequest.java
ļ	'	1		com/selectcomfort/sleepiq/network/api/sleeper/Sleeper.ja
ļ	'	1		va
ļ	'	1		com/selectcomfort/sleepiq/network/api/sleeper/UpdateSle
ļ	'	1		eperRequest.java
,	'	1		
,	'	1		com/selectcomfort/sleepiq/network/edp/api/EdpLoginReq
,	'	1		uest, java
ļ	'	1		com/selectcomfort/sleepiq/network/session/token/Consu
ļ	'	1		merApiSessionStore.java
ļ	'	1		com/selectcomfort/sleepiq/profile/cache/sleeperapplicatio
ļ	'	1		nsettings/j.java
ļ	'	1		no/nordicsemi/android/log/LogContract.java
ļ	'	1		no/nordicsemi/android/log/localprovider/LocalLogDatabas
ļ	'			eHelper.java
	'			Addatas
ļ	'	1		A4/c.java
ļ	'	1		A4/d.java
ļ	'	1		A4/f.java
ļ	'	1		B4/c.java
,	'	1		B9/u.java
,	'	1		C/b.java
,	'	1		C4/B.java
,	'	1		C4/C0365g.java
,	'	1		C4/C0369k.java
ļ	'	1		C4/C0375q.java
ļ	'	1		C4/C1466g.java
ļ	'	1		C4/C1470k.java
ļ	'	1		C4/C1476q.java
ļ	'	1		C4/CallableC0377t.java
,	'	1		C4/CallableC0380w.java
,	'	1		C4/G.java
,	'	1		C4/H.java
,	'	1		C4/L.java
,	'	1		C4/M.java
,	'	1		C4/P.java
,	'	1		C4/T.java
,	'	1		C4/i0.java
•	·	1		C4/10.java

NO	ISSUE	SEVERITY	STANDARDS	C4/j0.java E4/utiS java
				D0/k.java
				D4/g.java
				G4/a.java
				G7/c.java
				G8/b.java
				Gh/h.java
				H2/b.java
				H4/f.java
				Hh/d.java
				I4/d.java
				J2/t.java
				J4/a.java
				J4/c.java
				J4/f.java
				J4/g.java
				L9/k.java
				M1/w.java
				N1/a.java
				N2/a.java
				O0/a.java O1/d.java
				O1/e.java
				Ob/a.java
				P2/d.java
				Q0/b.java
				Q1/a.java
				Q2/t.java
				R1/B.java
				R1/j.java
				R1/k.java
				R1/m.java
				S1/h.java
				S1/i.java
				T1/d.java
				T1/i.java
				U1/a.java
				Ub/e.java
				V1/c.java
				V1/f.java
				V1/v.java
	The App logs information. Sensitive		CWE: CWE-532: Insertion of Sensitive Information	V1/w.java
2	information should never be logged.	info	into Log File	V1/x.java
	imormation should hever be logged.		OWASP MASVS: MSTG-STORAGE-3	W4/J.java
				Wd/b.java
1	ı		l	l l

NO	ISSUE	SEVERITY	STANDARDS	X/d.java k1k£j\$ va
				Y1/B.java
				Y1/C0467c.java
				Y1/C1599c.java
				Y1/d.java
				Y1/j.java
				Y1/k.java
				Y1/m.java
				Y1/n.java
				Y1/r.java
				Y1/z.java
				Y2/A.java
				Y2/C0470c.java
				Y2/C0472e.java
				Y2/C1602c.java
				Y2/C1604e.java
				Y2/i.java
				Y2/k.java
				Y2/u.java
				Y2/w.java
				Y2/x.java
				Y2/z.java
				Z/c.java
				Z/m.java
				Z2/k.java
				c2/C1478a.java
				c2/i.java
				com/bumptech/glide/b.java
				com/bumptech/glide/load/data/b.java
				com/bumptech/glide/load/data/j.java
				com/bumptech/glide/load/data/l.java
				com/bumptech/glide/n.java
				com/bumptech/glide/o.java
				com/fuzionble/utils/flows/e.java
				com/selectcomfort/sleepiq/app/v4/ui/base/i.java
				com/selectcomfort/sleepiq/app/v4/ui/widgets/GaugeView.j
				ava
				com/selectcomfort/sleepiq/profile/data/d.java
				com/selectcomfort/sleepiq/profile/data/e.java
				d0/C1776f.java
				e2/n.java
				h2/i.java
				h4/C1868f.java
				h4/C4892f.java
				h4/h.java
				11 -7 /11.java

NO	ISSUE	SEVERITY	STANDARDS	i2/AbstractC1888h.java Ē/ĀБS ractC4935h.java i4/g.java
				i4/g.java i4/m.java k0/m.java k0/p.java m2/C1981a.java m2/C5383a.java r3/K0.java r3/V.java r3/V.java s3/C2232a.java y4/C2475b.java y4/C6221b.java z4/c.java z4/d.java
3	The App uses an insecure Random Number Generator.	warning	CWE: CWE-330: Use of Insufficiently Random Values OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-6	la/f.java O9/a.java Zf/j.java com/selectcomfort/sleepframework/tips/didyouknow/Abst ractC1313d.java com/selectcomfort/sleepframework/tips/didyouknow/J.jav a dh/AbstractC0162a.java dh/AbstractC4583a.java dh/C0163b.java dh/C4584b.java eg/g.java eg/i.java eh/C0166a.java eh/C4650a.java hc/h.java hd/C2840b.java io/grpc/internal/G0.java io/grpc/internal/J.java io/grpc/internal/U.java io/grpc/internal/U.java io/grpc/internal/O.java r3/i3.java s4/C2233a.java w4/C2340g.java w4/C6002g.java x5/n.java

NO	ISSUE	SEVERITY	STANDARDS	C4/k0.java Ed/a-java
4	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.	warning	CWE: CWE-89: Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') OWASP Top 10: M7: Client Code Quality	E9/c.java Fc/z.java Hc/a.java Kt/b.java Kt/c.java Ky/c.java Ky/c.java Ky/c.java Ly/a.java Ly/a.java Ly/a.java Ly/b.java Ly/b.java Ly/b.java Ly/b.java Ly/b.java Qz/b.java Qz/y.java Qz/y.java Qz/y.java Qz/y.java Qz/y.java Qz/z.java Qz/z.java Qd/f.java h3/C1862a.java ib/AbstractC2860a.java ib/AbstractC2860a.java ib/AbstractC2860a.java ib/AbstractC2860a.java ra/c2559b.java pa/C2052b.java pa/C2558b.java pa/C2558b.java pa/C25704q.java r3/c3.java

NO	ISSUE	SEVERITY	STANDARDS	tc/C3016d.java
5	This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.	secure	OWASP MASVS: MSTG-NETWORK-4	Af/h.java Gh/c.java Gh/d.java Gh/g.java Gh/h.java com/selectcomfort/sleepiq/app/v4/ui/splash/C2595i.java
6	App can read/write to External Storage. Any App can read data written to External Storage.	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	I9/a.java I9/g.java J9/a.java Za/C1019h.java
7	SHA-1 is a weak hash known to have hash collisions.	warning	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	C4/C0365g.java C4/C1466g.java Y4/x.java e5/b.java f3/C1836a.java f3/C4659a.java
8	This App may have root detection capabilities.	secure	OWASP MASVS: MSTG-RESILIENCE-1	C4/C0365g.java C4/C1466g.java F1/a.java h4/h.java ib/AbstractC2860a.java
9	Ensure that user controlled URLs never reaches the Webview. Enabling file access from URLs in WebView can leak sensitive information from the file system.		CWE: CWE-200: Information Exposure OWASP Top 10: M1: Improper Platform Usage OWASP MASVS: MSTG-PLATFORM-7	com/selectcomfort/sleepiq/app/v4/ui/common/webview/D efaultWebViewFragment.java com/selectcomfort/sleepiq/app/v4/ui/common/webview/f. java com/selectcomfort/sleepiq/app/v4/ui/profile/connectedap ps/login/ThirdPartyAppLoginFragment.java com/selectcomfort/sleepiq/app/v4/ui/profile/connectedap ps/login/f.java
10	MD5 is a weak hash known to have hash collisions.	warning	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	D6/a.java H1/d.java O9/a.java r3/i3.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
11	Remote WebView debugging is enabled.	high	CWE: CWE-919: Weaknesses in Mobile Applications OWASP Top 10: M1: Improper Platform Usage OWASP MASVS: MSTG-RESILIENCE-2	com/selectcomfort/sleepiq/app/SIQApp.java
12	App creates temp file. Sensitive information should never be written into a temp file.	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	X0/c.java com/selectcomfort/bedcontrolframework/device/call/fuzio nspecific/FuzionBulkBleCommunication\$sendCommand\$2 .java e5/c.java
13	The App uses the encryption mode CBC with PKCS5/PKCS7 padding. This configuration is vulnerable to padding oracle attacks.	high	CWE: CWE-649: Reliance on Obfuscation or Encryption of Security-Relevant Inputs without Integrity Checking OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-3	vc/a.java

> SHARED LIBRARY BINARY ANALYSIS

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
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NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
1	arm64-v8a/libibg-native.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['strlen_chk', 'memmove_chk', 'vsnprintf_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
2	arm64- v8a/libdatastore_shared_counter.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
3	arm64-v8a/librealm-jni.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['memcpy_chk', 'memset_chk', 'strlen_chk', 'strchr_chk', 'vsprintf_chk', 'read_chk', 'vsnprintf_chk', 'FD_SET_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
4	x86_64/libibg-native.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['strlen_chk', 'memmove_chk', 'vsnprintf_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
5	x86_64/libdatastore_shared_counter.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
6	x86_64/librealm-jni.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['memcpy_chk', 'memset_chk', 'strlen_chk', 'strchr_chk', 'vsprintf_chk', 'read_chk', 'vsnprintf_chk', 'FD_SET_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
7	armeabi-v7a/libibg-native.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
8	armeabi- v7a/libdatastore_shared_counter.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
9	armeabi-v7a/librealm-jni.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
10	x86/libibg-native.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
11	x86/libdatastore_shared_counter.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
12	x86/librealm-jni.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
13	arm64-v8a/libibg-native.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['strlen_chk', 'memmove_chk', 'vsnprintf_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
14	arm64- v8a/libdatastore_shared_counter.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
15	arm64-v8a/librealm-jni.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['memcpy_chk', 'memset_chk', 'strlen_chk', 'strchr_chk', 'read_chk', 'read_chk', 'resprintf_chk', 'FD_SET_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
16	x86_64/libibg-native.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['strlen_chk', '_memmove_chk', '_vsnprintf_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
17	x86_64/libdatastore_shared_counter.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
18	x86_64/librealm-jni.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	True info The binary has the following fortified functions: ['memcpy_chk', 'memset_chk', 'strlen_chk', 'strchr_chk', 'vsprintf_chk', 'read_chk', 'vsnprintf_chk', 'FD_SET_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
19	armeabi-v7a/libibg-native.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
20	armeabi- v7a/libdatastore_shared_counter.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
21	armeabi-v7a/librealm-jni.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
22	x86/libibg-native.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
23	x86/libdatastore_shared_counter.so	True info The binary has NX bit set. This marks a memory page non-executable making attacker injected shellcode non-executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	PIE	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
24	x86/librealm-jni.so	True info The binary has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	Dynamic Shared Object (DSO) info The shared object is build with - fPIC flag which enables Position independent code. This makes Return Oriented Programming (ROP) attacks much more difficult to execute reliably.	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.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	None info The binary does not have run-time search path or RPATH set.	None info The binary does not have RUNPATH set.	False warning The binary does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions. This check is not applicable for Dart/Flutter libraries.	True info Symbols are stripped.

■ NIAP ANALYSIS v1.3

		NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
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BEHAVIOUR ANALYSIS

RULE ID	BEHAVIOUR	LABEL	FILES
00014	Read file into a stream and put it into a JSON object	file	D4/g.java P5/a.java e5/c.java
00013	Read file and put it into a stream	file	B9/g.java C4/R.java C4/C0365g.java C4/C1466g.java D4/g.java E8/f.java H1/e.java H1/e.java H4/d.java J9/i.java Ke/a.java Ke/a.java Ke/b.java N1/a.java N1/b.java O0/a.java P5/a.java P9/e.java Sh/k.java V1/h.java V1/h.java C1/h.java C2/C1026o.java Za/C1021j.java Za/C1021j.java Ca/c1659j.java Ca/c1659j.java Ca/c1690.java Ca/c1690.java Ca/c1690.java Ca/c1690.java Ca/c1690.java Ca/c164o.java Ca/c1690.java Ca/c16590.java

RULE	BEHAVIOUR	LABEL	g/v.java o0/h.java FileS org/simpleframework/xml/core/Persister.java org/simpleframework/xml/stream/StreamProvider.java org/xmlpull/v1/sax2/Driver.java pa/c.java t8/g.java y1/CallableC2445i.java y5/e.java
00022	Open a file from given absolute path of the file	file	C/l,java D4/g,java P2/f,java H1/e,java H1/e,java H9/a,java H9/a,java H9/a,java H9/a,java H9/a,java H9/a,java H9/a,java H9/f,java H1/f,java H9/f,java H9/f,java H1/f,java H9/f,java H1/f,java H1/f,ja

RULE ID	BEHAVIOUR	LABEL	FILES
00063	Implicit intent(view a web page, make a phone call, etc.)	control	F7/o.java Ob/f.java Z2/C0490f.java Z2/C1647f.java Za/x.java com/selectcomfort/sleepiq/app/v4/service/notifications/AzureFirebaseMessagingService.java com/selectcomfort/sleepiq/app/v4/ui/base/q.java com/selectcomfort/sleepiq/app/v4/ui/common/webview/DefaultWebViewFragment.java com/selectcomfort/sleepiq/app/v4/ui/health/wellnessreport/pdf/WellnessReportPdfPreviewFragment.j ava com/selectcomfort/sleepiq/app/v4/ui/sleep/bedtimereminder/d.java com/selectcomfort/sleepiq/app/v4/ui/sleep/circadianrhythm/bedtimeroutines/BedtimeRemindersFrag ment.java com/selectcomfort/sleepiq/app/v4/ui/sleep/greeting/s.java com/selectcomfort/sleepiq/app/v4/ui/sleep/home/SleepFragment.java com/selectcomfort/sleepiq/app/v4/ui/sleep/home/pages/summary/p.java com/selectcomfort/sleepiq/app/v4/ui/sleep/home/pages/summary/p.java com/selectcomfort/sleepiq/app/v4/ui/sleep/home/pages/summary/p.java com/selectcomfort/sleepiq/app/v4/ui/support/feedback/GiveFeedbackFragment.java ob/C2942b.java r3/W1.java r3/i3.java
00036	Get resource file from res/raw directory	reflection	Z2/C0490f.java Z2/C1647f.java Za/x.java Za/x.java com/selectcomfort/sleepiq/app/v4/ui/health/wellnessreport/pdf/WellnessReportPdfPreviewFragment.j ava com/selectcomfort/sleepiq/app/v4/ui/sleep/home/SleepFragment.java com/selectcomfort/sleepiq/app/v4/ui/support/feedback/GiveFeedbackFragment.java m/K.java
00109	Connect to a URL and get the response code	network command	H2/b.java V2/b.java com/bumptech/glide/load/data/j.java com/microsoft/windowsazure/messaging/Connection.java f5/c.java pa/AbstractC2952b.java r3/RunnableC2126d0.java r3/Z1.java uc/C3026c.java

RULE ID	BEHAVIOUR LABEL		FILES		
00208	Capture the contents of the device screen collection screen		X9/i.java		
00096	Connect to a URL and set request method	command network	H1/b.java H2/b.java com/microsoft/windowsazure/messaging/Connection.java pa/AbstractC2952b.java uc/C3026c.java uc/C5930c.java		
00089	Connect to a URL and receive input stream from the server	command network	H2/b.java com/bumptech/glide/load/data/j.java com/microsoft/windowsazure/messaging/Connection.java f5/c.java uc/C3026c.java uc/C5930c.java		
00030	Connect to the remote server through the given URL	network	H1/b.java com/bumptech/glide/load/data/j.java com/microsoft/windowsazure/messaging/Connection.java r3/RunnableC2126d0.java		
00024	Write file after Base64 decoding	reflection file	y1/C2453q.java		
00162	Create InetSocketAddress object and connecting to it	socket	Gh/b.java Gh/h.java		
00163	Create new Socket and connecting to it socket		Gh/b.java Gh/h.java		
00192	Get messages in the SMS inbox	sms	I9/b.java W7/b.java		

RULE ID	BEHAVIOUR LABEL		FILES		
00051	Implicit intent(view a web page, make a phone call, etc.) via setData	control	F7/o.java Z2/C0490f.java Z2/C1647f.java Za/x.java Za/x.java com/selectcomfort/sleepiq/app/v4/service/notifications/AzureFirebaseMessagingService.java com/selectcomfort/sleepiq/app/v4/ui/base/q.java com/selectcomfort/sleepiq/app/v4/ui/common/webview/DefaultWebViewFragment.java com/selectcomfort/sleepiq/app/v4/ui/sleep/greeting/s.java com/selectcomfort/sleepiq/app/v4/ui/sleep/home/pages/summary/p.java		
00191	Get messages in the SMS inbox sms		e8/C2635b.java m/K.java		
00012	Read data and put it into a buffer stream	file	O0/a.java		
00009	Put data in cursor to JSON object	file	K9/d.java O9/a.java ib/AbstractC2862c.java tc/C3016d.java tc/C5880d.java xb/C3081b.java		
00004	Get filename and put it to JSON object	file collection	K9/d.java O9/a.java com/microsoft/appcenter/crashes/Crashes.java ib/AbstractC2862c.java tc/C3013a.java tc/C3016d.java tc/C5877a.java tc/C5880d.java		
00147	Get the time of current location	collection location	g/g.java		
00075	Get location of the device	collection location	g/g.java		
00115	Get last known location of the device	collection location	g/g.java		

RULE ID	BEHAVIOUR LABEL		FILES		
00046	Method reflection reflection		Gh/b.java		
00026	Method reflection	reflection	Gh/b.java		
00078	Get the network operator name	collection telephony	oc/C2945b.java oc/C5533b.java tc/C3013a.java tc/C5877a.java		
00132	Query The ISO country code	telephony collection	oc/C2945b.java oc/C5533b.java		
00094	Connect to a URL and read data from it	command network	G4/a.java hc/c.java uc/C3026c.java uc/C5930c.java		
00108	108 Read the input stream from given URL network com		pa/C2951a.java r3/X1.java r3/Y.java uc/C3026c.java uc/C5930c.java		
00028	Read file from assets directory	file	com/selectcomfort/sleepiq/app/v4/ui/profile/wellness/v2/h.java		
00005	Get absolute path of file and put it to JSON object file		D4/g.java K9/d.java com/microsoft/appcenter/crashes/Crashes.java		
00202	Make a phone call	control	com/selectcomfort/sleepiq/app/v4/ui/base/q.java		
00203	Put a phone number into an intent	control	com/selectcomfort/sleepiq/app/v4/ui/base/q.java		
00091	Retrieve data from broadcast collection		r3/W1.java		
00125	Check if the given file path exist	file	s7/e.java		

RULE ID	BEHAVIOUR	LABEL	FILES
00072	Write HTTP input stream into a file	command network file	pa/C2951a.java
00077	Read sensitive data(SMS, CALLLOG, etc)	collection sms calllog calendar	Q1/a.java
00209	Get pixels from the latest rendered image	collection	Ca/i.java
00210	Copy pixels from the latest rendered image into a Bitmap	collection	Ca/i.java

FIREBASE DATABASES ANALYSIS

TITLE	SEVERITY	DESCRIPTION
Firebase Remote Config enabled	warning	The Firebase Remote Config at https://firebaseremoteconfig.googleapis.com/v1/projects/268662094243/namespaces/firebase:fetch? key=AlzaSyDuGXQyJNtlkq7YPhMDrUM2-eTuf9KMp24 is enabled. Ensure that the configurations are not sensitive. This is indicated by the response: {'perf_disable': 'false'}, 'state': 'UPDATE', 'templateVersion': '1'}

***: ::** ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	10/25	android.permission.INTERNET, android.permission.ACCESS_NETWORK_STATE, android.permission.ACCESS_FINE_LOCATION, android.permission.ACCESS_WIFI_STATE, android.permission.WAKE_LOCK, android.permission.RECEIVE_BOOT_COMPLETED, android.permission.SYSTEM_ALERT_WINDOW, android.permission.ACCESS_COARSE_LOCATION, android.permission.READ_EXTERNAL_STORAGE, android.permission.WRITE_EXTERNAL_STORAGE

TYPE	MATCHES	PERMISSIONS
Other Common Permissions	7/44	android.permission.BLUETOOTH, android.permission.BLUETOOTH_ADMIN, android.permission.CHANGE_WIFI_STATE, com.google.android.c2dm.permission.RECEIVE, android.permission.MODIFY_AUDIO_SETTINGS, android.permission.FOREGROUND_SERVICE, com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE

Malware Permissions:

Top permissions that are widely abused by known malware.

Other Common Permissions:

Permissions that are commonly abused by known malware.

• OFAC SANCTIONED COUNTRIES

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

DOMAIN	COUNTRY/REGION

Q DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
l06it26kuh.execute-api.us-east-1.amazonaws.com	ok	IP: 44.219.247.247 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map

DOMAIN	STATUS	GEOLOCATION
qa-api-dev26.azurewebsites.net	ok	IP: 40.112.216.189 Country: United States of America Region: California City: San Francisco Latitude: 37.774929 Longitude: -122.419418 View: Google Map
www.googleadservices.com	ok	IP: 142.250.74.162 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
nze5yfc8xi.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
axh56lryo2.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
qa21-api.dev.siq.sleepnumber.com	ok	No Geolocation information available.
mobile.events.data.microsoft.com	ok	IP: 52.182.143.208 Country: United States of America Region: Iowa City: Des Moines Latitude: 41.600540 Longitude: -93.609108 View: Google Map
apache.org	ok	IP: 151.101.2.132 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
xml.org	ok	IP: 104.239.142.8 Country: United States of America Region: Texas City: Windcrest Latitude: 29.499678 Longitude: -98.399246 View: Google Map
issuetracker.google.com	ok	IP: 142.250.74.174 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
circle1-api.circle.siq.sleepnumber.com	ok	IP: 44.195.137.27 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map
monitoring.instabug.com	ok	IP: 18.238.109.83 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
api.sleepiq.sleepnumber.com	ok	IP: 3.224.19.11 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map

DOMAIN	STATUS	GEOLOCATION
c4grogm0e0.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
sleepiq.azure-api.net	ok	IP: 138.91.230.148 Country: United States of America Region: California City: San Francisco Latitude: 37.774929 Longitude: -122.419418 View: Google Map
support.sleepnumber.com	ok	IP: 216.198.53.6 Country: United States of America Region: California City: San Francisco Latitude: 37.773968 Longitude: -122.410446 View: Google Map
www.sleepnumberlabs.com	ok	IP: 18.238.96.75 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
github.com	ok	IP: 140.82.112.4 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.w3.org	ok	IP: 104.18.23.19 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
firebase.google.com	ok	IP: 142.250.74.110 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
play.google.com	ok	IP: 142.250.74.142 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
dev26-api.dev.siq.sleepnumber.com	ok	No Geolocation information available.
qa22-api.dev.siq.sleepnumber.com	ok	IP: 54.84.29.153 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map

DOMAIN	STATUS	GEOLOCATION
developer.android.com	ok	IP: 142.250.74.174 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
blank.blank	ok	No Geolocation information available.
docs.instabug.com	ok	IP: 104.16.242.118 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
www.google.com	ok	IP: 142.250.68.4 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
7i640s6qbk.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
kkr0zgy6dg.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
api.mixpanel.com	ok	IP: 35.190.25.25 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
staging.sleepnumber.com	ok	IP: 18.238.96.56 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
app-measurement.com	ok	IP: 142.250.74.174 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
qa23-api.dev.siq.sleepnumber.com	ok	IP: 3.82.0.122 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map
pagead2.googlesyndication.com	ok	IP: 142.250.74.162 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
pauu96skhb.execute-api.us-east-1.amazonaws.com	ok	IP: 52.45.22.143 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map

DOMAIN	STATUS	GEOLOCATION
c2nefqw4hi.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
firebaseinstallations.googleapis.com	ok	IP: 142.250.74.42 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
qa-sn-inner-circle.azurewebsites.net	ok	No Geolocation information available.
dev24-api.dev.siq.sleepnumber.com	ok	No Geolocation information available.
dev22-api.dev.siq.sleepnumber.com	ok	IP: 54.237.182.14 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map
sleepiqapi.azure-api.net	ok	IP: 52.137.184.254 Country: United States of America Region: California City: San Francisco Latitude: 37.774929 Longitude: -122.419418 View: Google Map
jep2yppivi.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
stage-api.stage.siq.sleepnumber.com	ok	IP: 98.80.81.124 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map
www.sleepnumber.com	ok	IP: 18.238.96.54 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
5v8xykmyy7.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
epyq3fysr2.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
ns.adobe.com	ok	No Geolocation information available.
in.appcenter.ms	ok	IP: 4.152.45.255 Country: United States of America Region: Washington City: Redmond Latitude: 47.682899 Longitude: -122.120903 View: Google Map
schemas.microsoft.com	ok	IP: 13.107.246.71 Country: Netherlands Region: Noord-Holland City: Amsterdam Latitude: 52.374031 Longitude: 4.889690 View: Google Map

DOMAIN	STATUS	GEOLOCATION
api.instabug.com	ok	IP: 18.238.109.79 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
6lx9ypzu8i.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
docs.mongodb.com	ok	IP: 15.197.167.90 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
firebase-settings.crashlytics.com	ok	IP: 216.58.207.195 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
qa.sleepnumber.com	ok	IP: 137.66.55.209 Country: United States of America Region: Minnesota City: Minneapolis Latitude: 44.975700 Longitude: -93.258499 View: Google Map
schemas.android.com	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
dev23-api.dev.siq.sleepnumber.com	ok	IP: 54.87.208.194 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map
97vdx57yz7.execute-api.us-east-1.amazonaws.com	ok	No Geolocation information available.
google.com	ok	IP: 216.58.207.206 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
realm.io	ok	IP: 13.224.53.90 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map
xmlpull.org	ok	IP: 185.199.111.153 Country: United States of America Region: Pennsylvania City: California Latitude: 40.065632 Longitude: -79.891708 View: Google Map

DOMAIN	STATUS	GEOLOCATION
test-api.test.siq.sleepnumber.com	ok	IP: 3.209.118.175 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map
dev21-api.dev.siq.sleepnumber.com	ok	IP: 52.6.209.139 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map
console.firebase.google.com	ok	IP: 142.250.74.174 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
goo.gl	ok	IP: 142.250.74.174 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map



EMAIL	FILE
u0013android@android.com0 u0013android@android.com	Z2/u.java
contactus@instabug.com	z8/C.java
research@sleepnumber.com	Android String Resource

TRACKERS

TRACKER	CATEGORIES	URL
Google CrashLytics	Crash reporting	https://reports.exodus-privacy.eu.org/trackers/27
Google Firebase Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/49
Instabug	Crash reporting	https://reports.exodus-privacy.eu.org/trackers/206
Microsoft Visual Studio App Center Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/243
Microsoft Visual Studio App Center Crashes	Crash reporting	https://reports.exodus-privacy.eu.org/trackers/238

₽ HARDCODED SECRETS

POSSIBLE SECRETS "com.google.firebase.crashlytics.mapping_file_id": "9d6cf8a64ba6476192a3c1f1c6551d5b" "transition_sleep_session_best": "sleep_session_best_sleep_score"

 $"transition_sleep_session_current": "sleep_session_current_sleep_score"$

POSSIBLE SECRETS
"session_adjusted" : "Edited"
"transition_sleep_session_no_data_icon" : "sleep_session_no_data_icon"
"installation_enrichment_file_key" : "com.microsoft.windowsazure.messaging.notificationhubs.InstallationSharedPreferences"
"firebase_preference_file_key" : "com.microsoft.windowsazure.messaging.notificationhubs.FirebasePreferences"
"transition_sleep_session_tab_bar" : "sleep_session_tab_bar"
"transition_sleep_session_best_label" : "sleep_session_best_sleep_score_label"
"transition_sleep_session_card" : "sleep_session_card"
"transition_sleep_session_chart" : "sleep_session_chart"
"transition_sleep_session_no_data_ripple" : "sleep_session_no_data_ripple"
"original_session_time_range" : "Originally: %s"
"transition_sleep_session_avg": "sleep_session_avg_sleep_score"
"transition_sleep_session_avg_label" : "sleep_session_avg_sleep_score_label"
"google_api_key" : "AlzaSyDuGXQyJNtlkq7YPhMDrUM2-eTuf9KMp24"
"azure_connection_string_scheme" : "Endpoint=%1\$s;SharedAccessKeyName=%2\$s;SharedAccessKey=%3\$s"
"google_crash_reporting_api_key" : "AlzaSyDuGXQyJNtlkq7YPhMDrUM2-eTuf9KMp24"
"session_details" : "Details"
"transition_sleep_session_pie_chart" : "sleep_session_pie_chart"
"password" : "Password"

POSSIBLE SECRETS
11839296a789a3bc0045c8a5fb42c7d1bd998f54449579b446817afbd17273e662c97ee72995ef42640c550b9013fad0761353c7086a272c24088be94769fd16650
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686479766013060971498190079908139321726943530014330540939446345918554318339765605212255964066145455497729631139148085803712198799971664381257402829111505 7151
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POSSIBLE SECRETS
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3617de4a96262c6f5d9e98bf9292dc29f8f41dbd289a147ce9da3113b5f0b8c00a60b1ce1d7e819d7a431d7c90ea0e5f
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POSSIBLE SECRETS
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39402006196394479212279040100143613805079739270465446667948293404245721771496870329047266088258938001861606973112319
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734e5582-bb4e-ee4a-744c-6579444dd82c

POSSIBLE SECRETS dd4398bD7f93cde2372faa3c1e8aafc5 ffffd1fd-388d-938b-344a-939d1f6efee0 327e0416a3acc7396c669d AlzaSyCl5dVv8pPAFIVcG8WRzDaMLizwYNZUJM8 aef27f35d8be247c145eb0615d99c342 71828182845904523536028747135266249775724709369995957496696762772407663 b1a9630002b2cbdfbfecd942744b9018 734e5582-bb4e-ee4a-744c-6579444dd82b a670c4bd02dd333a6de7acc276638f7e



Title: Sleep Number

Score: 4.4636164 Installs: 1,000,000+ Price: 0 Android Version Support: Category: Health & Fitness Play Store URL: com.selectcomfort.SleepIQ

Developer Details: Sleep Number Corporation, Sleep+Number+Corporation, None, http://www.sleepnumber.com/sleepiq/, SIQCommunications@Sleepnumber.com,

Release Date: Nov 3, 2014 Privacy Policy: Privacy link

Description:

5.3.11 May 29th, 2025 Only available with Sleep Number smart beds WHAT'S NEW We've updated your Sleep Number smart sleep experience with more personalization to address your one-of-a-kind sleep needs for every stage of life. Here's what's new! - Temperature control just got smarter with SmartTemp programs, scientifically shown to improve sleep quality. Designed through a research collaboration with Feinberg School of Medicine at Northwestern University, the programs help promote recovery and minimize sleep disruptions. SmartTemp programs allow you to easily schedule different temperature settings throughout the night, as your needs change. Available on select models only. - Bug fixes and improvements OVERVIEW The Sleep Number app delivers a one-of-a-kind experience, seamlessly blending smart bed capabilities, personalized sleep and health insights and rewards. Only the Sleep Number smart bed uses the science of your

personal sleep data to understand your one-of-a-kind needs for continuously better sleep quality. Our exclusive sense-and-do technology accurately measures your biosignals - your average heart rate, heart rate variability (HRV) and average breath rate - throughout the night, then automatically adjusts to your individual needs, designed to continuously improve your sleep over time. See a daily snapshot of factors that measure your sleep quality - duration, efficiency and timing. Developed by sleep science experts with insights into how each of us sleeps, it connects you with your best possible sleep, night after night and through every phase of life. SLEEP Personalized sleep insights help improve your sleep and wellbeing to get the most from your smart bed every night and every day. Wake up to your SleeplQ score every morning and compare to your average to see if your sleep is improving. Circadian rhythm helps you get the most from every day. Your smart bed learns your sleep schedule over 7 days and shows you your ideal bedtime, wake time and more. See your average heart rate, heart rate variability (HRV) and breath rate. HEALTH Research-grade sensors measure duration, efficiency, and timing for improved sleep health. See your personal sleep trends over time by day, week, month and year, plus personalized insights to help you achieve your best possible sleep. See a 30-day summary of your sleep health with actionable insights, and if you choose, share with your physicians to help provide a more holistic picture of your health. SMART BED Take control of your sleep with smart bed control, including your Sleep Number setting, Responsive Air technology and FlexFit adjustable base to ensure you're getting the best quality sleep. Senses your movement and adjusts your firmness for each of you for the highest quality sleep. Choose a SmartTemp program for effortless and individualized temperature to help you get more restful sleep. PROFILE Personalized to you with access to rewards, partners, and sleep science research. A

∷ SCAN LOGS

Timestamp	Event	Error
2025-09-01 08:34:04	Generating Hashes	ОК
2025-09-01 08:34:04	Extracting APK	ОК
2025-09-01 08:34:04	Unzipping	ОК
2025-09-01 08:34:04	Parsing APK with androguard	ОК
2025-09-01 08:34:05	Extracting APK features using aapt/aapt2	ОК
2025-09-01 08:34:05	Getting Hardcoded Certificates/Keystores	ОК

2025-09-01 08:34:08	Parsing AndroidManifest.xml	ОК
2025-09-01 08:34:08	Extracting Manifest Data	ОК
2025-09-01 08:34:08	Manifest Analysis Started	ОК
2025-09-01 08:34:11	Performing Static Analysis on: Sleep Number (com.selectcomfort.SleepIQ)	ОК
2025-09-01 08:34:13	Fetching Details from Play Store: com.selectcomfort.SleepIQ	ОК
2025-09-01 08:34:14	Checking for Malware Permissions	ОК
2025-09-01 08:34:14	Fetching icon path	ОК
2025-09-01 08:34:15	Library Binary Analysis Started	ОК
2025-09-01 08:34:15	Analyzing lib/arm64-v8a/libibg-native.so	ОК
2025-09-01 08:34:15	Analyzing lib/arm64-v8a/libdatastore_shared_counter.so	ОК
2025-09-01 08:34:15	Analyzing lib/arm64-v8a/librealm-jni.so	ОК
2025-09-01 08:34:15	Analyzing lib/x86_64/libibg-native.so	ОК

2025-09-01 08:34:15	Analyzing lib/x86_64/libdatastore_shared_counter.so	ОК
2025-09-01 08:34:15	Analyzing lib/x86_64/librealm-jni.so	ОК
2025-09-01 08:34:15	Analyzing lib/armeabi-v7a/libibg-native.so	ОК
2025-09-01 08:34:15	Analyzing lib/armeabi-v7a/libdatastore_shared_counter.so	ОК
2025-09-01 08:34:15	Analyzing lib/armeabi-v7a/librealm-jni.so	ОК
2025-09-01 08:34:15	Analyzing lib/x86/libibg-native.so	ОК
2025-09-01 08:34:15	Analyzing lib/x86/libdatastore_shared_counter.so	ОК
2025-09-01 08:34:15	Analyzing lib/x86/librealm-jni.so	ОК
2025-09-01 08:34:15	Analyzing apktool_out/lib/arm64-v8a/libibg-native.so	ОК
2025-09-01 08:34:15	Analyzing apktool_out/lib/arm64-v8a/libdatastore_shared_counter.so	ОК
2025-09-01 08:34:15	Analyzing apktool_out/lib/arm64-v8a/librealm-jni.so	ОК
2025-09-01 08:34:16	Analyzing apktool_out/lib/x86_64/libibg-native.so	ОК

2025-09-01 08:34:16	Analyzing apktool_out/lib/x86_64/libdatastore_shared_counter.so	ОК
2025-09-01 08:34:16	Analyzing apktool_out/lib/x86_64/librealm-jni.so	ОК
2025-09-01 08:34:16	Analyzing apktool_out/lib/armeabi-v7a/libibg-native.so	ОК
2025-09-01 08:34:16	Analyzing apktool_out/lib/armeabi-v7a/libdatastore_shared_counter.so	ОК
2025-09-01 08:34:16	Analyzing apktool_out/lib/armeabi-v7a/librealm-jni.so	ОК
2025-09-01 08:34:16	Analyzing apktool_out/lib/x86/libibg-native.so	ОК
2025-09-01 08:34:16	Analyzing apktool_out/lib/x86/libdatastore_shared_counter.so	ОК
2025-09-01 08:34:16	Analyzing apktool_out/lib/x86/librealm-jni.so	ОК
2025-09-01 08:34:16	Reading Code Signing Certificate	ОК
2025-09-01 08:34:16	Running APKiD 2.1.5	ОК
2025-09-01 08:34:20	Updating Trackers Database	ОК
2025-09-01 08:34:20	Detecting Trackers	ОК

2025-09-01 08:34:24	Decompiling APK to Java with JADX	ОК
2025-09-01 08:34:42	Decompiling with JADX failed, attempting on all DEX files	ОК
2025-09-01 08:34:42	Decompiling classes2.dex with JADX	ОК
2025-09-01 08:34:54	Decompiling classes.dex with JADX	ОК
2025-09-01 08:35:06	Decompiling classes3.dex with JADX	ОК
2025-09-01 08:35:13	Decompiling classes2.dex with JADX	ОК
2025-09-01 08:35:25	Decompiling classes.dex with JADX	ОК
2025-09-01 08:35:36	Decompiling classes3.dex with JADX	ОК
2025-09-01 08:35:44	Converting DEX to Smali	ОК
2025-09-01 08:35:44	Code Analysis Started on - java_source	ОК
2025-09-01 08:35:50	Android SBOM Analysis Completed	ОК
2025-09-01 08:36:02	Android SAST Completed	ОК

2025-09-01 08:36:02	Android API Analysis Started	ОК
2025-09-01 08:36:14	Android API Analysis Completed	ОК
2025-09-01 08:36:14	Android Permission Mapping Started	ОК
2025-09-01 08:36:32	Android Permission Mapping Completed	ОК
2025-09-01 08:36:33	Android Behaviour Analysis Started	ОК
2025-09-01 08:36:49	Android Behaviour Analysis Completed	ОК
2025-09-01 08:36:49	Extracting Emails and URLs from Source Code	ОК
2025-09-01 08:36:57	Email and URL Extraction Completed	ОК
2025-09-01 08:36:57	Extracting String data from APK	ОК
2025-09-01 08:36:57	Extracting String data from SO	ОК
2025-09-01 08:36:58	Extracting String data from Code	ОК
2025-09-01 08:36:58	Extracting String values and entropies from Code	ОК

2025-09-01 08:37:04	Performing Malware check on extracted domains	ОК
2025-09-01 08:37:08	Saving to Database	ОК

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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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