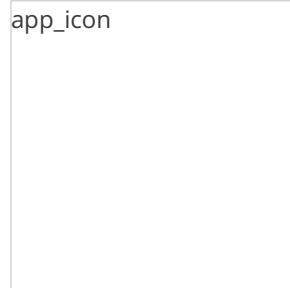




ANDROID STATIC ANALYSIS REPORT



 Spotify (9.0.90.1229)

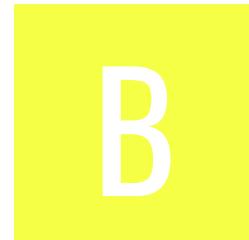
File Name: com.spotify.music.apk

Package Name: com.spotify.music

Scan Date: Nov. 4, 2025, 7:05 p.m.

App Security Score: **52/100 (MEDIUM RISK)**

Grade:



Trackers Detection: **4/432**

FINDINGS SEVERITY

 HIGH	 MEDIUM	 INFO	 SECURE	 HOTSPOT
4	55	3	5	2

FILE INFORMATION

File Name: com.spotify.music.apk

Size: 69.18MB

MD5: 846cdec965c3461a6a204c6f982f00ef

SHA1: c6cb60b5e4be870a49460d6a2b75902c13deb335

SHA256: f0fcc0416c1d7b60a5955761eec97e29615cf8a4031d6856c623787123689638

APP INFORMATION

App Name: Spotify

Package Name: com.spotify.music

Main Activity: com.spotify.music.SpotifyMainActivity

Target SDK: 36

Min SDK: 24

Max SDK:

Android Version Name: 9.0.90.1229

■ APP COMPONENTS

Activities: 88

Services: 40

Receivers: 32

Providers: 8

Exported Activities: 18

Exported Services: 10

Exported Receivers: 11

Exported Providers: 1

✿ CERTIFICATE INFORMATION

Binary is signed

v1 signature: False

v2 signature: True

v3 signature: True

v4 signature: False

X.509 Subject: C=SE, ST=Stockholm, L=Stockholm, O=Spotify, OU=Android, CN=Spotify

Signature Algorithm: rsassa_pkcs1v15

Valid From: 2014-05-24 16:58:57+00:00

Valid To: 2288-03-08 16:58:57+00:00

Issuer: C=SE, ST=Stockholm, L=Stockholm, O=Spotify, OU=Android, CN=Spotify

Serial Number: 0x65cac4b1

Hash Algorithm: sha256

md5: 861527aece25e8a45e039e76f6d07a12

sha1: d6a6dcfd4a85f24204bf9505ccc1fce114cadb32

sha256: 6505b181933344f93893d586e399b94616183f04349cb572a9e81a3335e28ffd

sha512: efcd4473b4d787770da79ad5f64722f22e806327cfabc0664689862223692ed5c2031deacb94480a73902db309690d5434657f37bb122b574ba53984650f1cb2

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: 1c6fedc02f3d0ab8ddf163b346a8685ab6e15c003b78c0c0139bb2e6eaaf365f

Found 1 unique certificates

☰ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
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.
com.spotify.music.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
com.android.providers.tv.permission.WRITE_EPG_DATA	unknown	Unknown permission	Unknown permission from android reference
com.android.providers.tv.permission.READ_EPG_DATA	unknown	Unknown permission	Unknown permission from android reference
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.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.FOREGROUND_SERVICE	normal	enables regular apps to use Service.startForeground.	Allows a regular application to use Service.startForeground.
com.android.vending.BILLING	normal	application has in-app purchases	Allows an application to make in-app purchases from Google Play.
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	normal	permission defined by google	A custom permission defined by Google.
com.google.android.gms.permission.AD_ID	normal	application shows advertisements	This app uses a Google advertising ID and can possibly serve advertisements.
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
com.google.android.c2dm.permission.RECEIVE	normal	recieve push notifications	Allows an application to receive push notifications from cloud.
android.permission.ACCESS痈SERVICES_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.

PERMISSION	STATUS	INFO	DESCRIPTION
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.providers.gsf.permission.READ_GSERVICES	unknown	Unknown permission	Unknown permission from android reference
android.permission.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete external storage contents	Allows an application to write to external storage.
android.permission.READ_PHONE_STATE	dangerous	read phone state and identity	Allows the application to access the phone features of the device. An application with this permission can determine the phone number and serial number of this phone, whether a call is active, the number that call is connected to and so on.
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
android.permission.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
android.permission.ACCESS_WIFI_STATE	normal	view Wi-Fi status	Allows an application to view the information about the status of Wi-Fi.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.BROADCAST_STICKY	normal	send sticky broadcast	Allows an application to send sticky broadcasts, which remain after the broadcast ends. Malicious applications can make the phone slow or unstable by causing it to use too much memory.
android.permission.MODIFY_AUDIO_SETTINGS	normal	change your audio settings	Allows application to modify global audio settings, such as volume and routing.
android.permission.NFC	normal	control Near-Field Communication	Allows an application to communicate with Near-Field Communication (NFC) tags, cards and readers.
android.permission.READ_MEDIA_AUDIO	dangerous	allows reading audio files from external storage.	Allows an application to read audio files from external storage.
android.permission.CHANGE_WIFI_MULTICAST_STATE	normal	allow Wi-Fi Multicast reception	Allows an application to receive packets not directly addressed to your device. This can be useful when discovering services offered nearby. It uses more power than the non-multicast mode.
com.spotify.music.permission.C2D_MESSAGE	unknown	Unknown permission	Unknown permission from android reference
com.spotify.music.permission.INTERNAL_BROADCAST	unknown	Unknown permission	Unknown permission from android reference

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.RECORD_AUDIO	dangerous	record audio	Allows application to access the audio record path.
com.spotify.music.permission.SECURED_BROADCAST	unknown	Unknown permission	Unknown permission from android reference
android.permission.USE_CREDENTIALS	dangerous	use the authentication credentials of an account	Allows an application to request authentication tokens.
android.permission.GET_ACCOUNTS	dangerous	list accounts	Allows access to the list of accounts in the Accounts Service.
com.sony.snei.np.android.account.provider.permission.DUID_READ_PROVIDER	unknown	Unknown permission	Unknown permission from android reference
com.android.launcher.permission.INSTALL_SHORTCUT	unknown	Unknown permission	Unknown permission from android reference
com.samsung.WATCH_APP_TYPE.Companion	unknown	Unknown permission	Unknown permission from android reference
android.permission.FOREGROUND_SERVICE_MEDIA_PLAYBACK	normal	enables foreground services for media playback.	Allows a regular application to use Service.startForeground with the type "mediaPlayback".

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.FOREGROUND_SERVICE_DATA_SYNC	normal	permits foreground services for data synchronization.	Allows a regular application to use Service.startForeground with the type "dataSync".
android.permission.BLUETOOTH_ADVERTISE	dangerous	required to advertise to nearby Bluetooth devices.	Required to be able to advertise to nearby Bluetooth devices.
android.permission.NEARBY_WIFI_DEVICES	dangerous	required for advertising and connecting to nearby devices via Wi-Fi.	Required to be able to advertise and connect to nearby devices via Wi-Fi.
androidx.car.app.MEDIA_TEMPLATES	unknown	Unknown permission	Unknown permission from android reference
com.google.android.apps.meetings.permission.MEET_LIVE_SHARING	unknown	Unknown permission	Unknown permission from android reference
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_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.

PERMISSION	STATUS	INFO	DESCRIPTION
com.sec.android.app.clockpackage.permission.READ_ALARM	unknown	Unknown permission	Unknown permission from android reference
com.samsung.android.samsungaccount.permission.ACCOUNT_MANAGER	unknown	Unknown permission	Unknown permission from android reference
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.FOREGROUND_SERVICE_CONNECTED_DEVICE	normal	enables foreground services with connected device use.	Allows a regular application to use Service.startForeground with the type "connectedDevice".
android.permission.CAMERA	dangerous	take pictures and videos	Allows application to take pictures and videos with the camera. This allows the application to collect images that the camera is seeing at any time.

APKID ANALYSIS

FILE	DETAILS	
846cdec965c3461a6a204c6f982f00ef.apk	FINDINGS	DETAILS
	Anti Disassembly Code	illegal class name

FILE	DETAILS	
	FINDINGS	DETAILS
classes.dex	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check
	Compiler	r8
	Anti Disassembly Code	illegal class name
classes10.dex	FINDINGS	DETAILS
	Compiler	r8

FILE	DETAILS	
	FINDINGS	DETAILS
classes2.dex	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.BOARD check Build.TAGS check SIM operator check possible VM check
	Anti Debug Code	Debug.isDebuggerConnected() check
	Compiler	r8
	Anti Disassembly Code	illegal class name
classes3.dex	FINDINGS	DETAILS
	Anti-VM Code	Build.MANUFACTURER check
	Compiler	r8

FILE	DETAILS	
	FINDINGS	DETAILS
classes4.dex	Anti-VM Code	Build.MANUFACTURER check network operator name check
	Compiler	r8
	Anti Disassembly Code	illegal class name
classes5.dex	Anti-VM Code	Build.MANUFACTURER check
	Compiler	r8
classes6.dex	Anti-VM Code	Build.MANUFACTURER check
	Compiler	r8
	Anti Disassembly Code	illegal class name

FILE	DETAILS	
	FINDINGS	DETAILS
classes7.dex	Anti-VM Code	Build.MANUFACTURER check
	Compiler	r8
	Anti Disassembly Code	illegal class name
classes8.dex	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check
	Compiler	r8
classes9.dex	Anti-VM Code	Build.TAGS check
	Compiler	r8

BROWSABLE ACTIVITIES

ACTIVITY	INTENT
com.facebook.CustomTabActivity	Schemes: fbconnect://, Hosts: cct.com.spotify.music,
com.spotify.ageverification.ageassurancewebview.AgeAssuranceWebViewActivity	Schemes: spotify-aa://,
com.spotify.music.SpotifyMainActivity	<p>Schemes: spotify://, http://, https://, content://, spotify-auth-music://, Hosts: open.spotify.com, accounts.spotify.com, spotify.test-app.link, spotify-alternate.test-app.link, spotify.app.link, spotify-alternate.app.link, spotify.link, www.spotify.com, spotify.com, auth-callback.spotify.com, callback, Mime Types: audio/*, Paths: /, /aaa/t, /wrapped, /wrapped/, Path Prefixes: /intl-, /ai-playlist/create, /album, /app/browse, /artist, /autologin, /browse, /cached-files, /charts, /clip, /collection, /connect- device-picker, /connect-transfer, /concert, /cultural-moment, /daily-mix- hub, /episode, /follow, /home, /hub, /jam, /kallax, /made-for-you, /merchhub, /multi-user-plan-verification/code/verify, /new, /offline- backup, /playlist, /playlist-format, /prerelease, /radio, /room, /running, /search, /show, /socialsession, /special, /station, /track, /user, /app/concerts, /alexa-auth, /hifi/onboarding, /settings/hifi, /genre, /blend/ci, /blend/invitation, /blend/taste-match, /experience, /tokenenabled, /site, /sitemodal, /presents, /config, /preferences, /wrapped, /wrapped-share, /nemo/unboxing, /internal/premium-page-qr- preview-tool, /internal/puffin-pigeon-onboarding, /birthdays, /listeningstats, /watch-feed, /upcoming-releases, /login/ott/music, /redirect/get-premium/, /pair, /r/android/music/signup, /r/android/music/login, /r/android/music/request-magiclink, Path Patterns: /checkout/unified-checkout/.....-.....-.....-.....-....., /checkout/unified-checkout/.....-.....-.....-.....-...../, /r/android/music/signup, /r/android/music/login, /r/android/music/request-magiclink, /*/wrapped, /*/wrapped/ /*/wrapped-share, /*/wrapped-share/*,</p>

ACTIVITY	INTENT
com.spotify.appauthorization.sso.AuthorizationActivity	Schemes: https://, Hosts: accounts.spotify.com, Path Prefixes: /inapp-authorize,
com.spotify.checkout.deeplink.UcLoggedInDeepLinkActivity	Schemes: http://, https://, Hosts: open.spotify.com, Path Patterns: /checkout/unified-checkout/.....-....-....-...../logged-in, /checkout/unified-checkout/.....-....-....-...../logged-in/,
com.spotify.checkout.spotifycheckout.SpotifyCheckoutCallbackActivity	Schemes: spotify-checkout://, Hosts: payment-callback,
com.spotify.partneraccountlinking.partneraccountlinking.PartnerAccountLinkingActivity	Schemes: spotifyaccountlinking://, Hosts: samsungv1,
com.spotify.payment.callback.PaymentCallbackActivity	Schemes: https://, Hosts: www.spotify.com, www-testing.spotify.net, Path Prefixes: /api/payment-sdk/android/,

🔒 NETWORK SECURITY

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

NO	SCOPE	SEVERITY	DESCRIPTION
1	*	high	Base config is insecurely configured to permit clear text traffic to all domains.

NO	SCOPE	SEVERITY	DESCRIPTION
2	appspot.com facebook.com genius.com google.com googleapis.com instagram.com qualtrics.com scdn.co slack.com spotify.com spotify.net spotifyinternal.com twitter.com	secure	Domain config is securely configured to disallow clear text traffic to these domains in scope.

CERTIFICATE ANALYSIS

HIGH: 0 | WARNING: 0 | INFO: 1

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

MANIFEST ANALYSIS

HIGH: 1 | WARNING: 44 | INFO: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	DESCRIPTION

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable unpatched Android version Android 7.0, [minSdk=24]	high	This application can be installed on an older version of android that has multiple unfixed vulnerabilities. These devices won't receive reasonable security updates from Google. Support an Android version => 10, API 29 to receive reasonable security updates.
2	App has a Network Security Configuration [android:networkSecurityConfig=@xml/network_security_config]	info	The Network Security Configuration feature lets apps customize their network security settings in a safe, declarative configuration file without modifying app code. These settings can be configured for specific domains and for a specific app.
3	Activity (androidx.compose.ui.tooling.PreviewActivity) 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.

NO	ISSUE	SEVERITY	DESCRIPTION
4	<p>Broadcast Receiver (androidx.profileinstaller.ProfileInstallReceiver) is Protected by a permission, but the protection level of the permission should be checked.</p> <p>Permission: android.permission.DUMP [android:exported=true]</p>	warning	<p>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.</p>

NO	ISSUE	SEVERITY	DESCRIPTION
5	<p>Service (androidx.work.impl.background.systemjob.SystemJobService) is Protected by a permission, but the protection level of the permission should be checked.</p> <p>Permission: android.permission.BIND_JOB_SERVICE [android:exported=true]</p>	warning	A Service 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.

NO	ISSUE	SEVERITY	DESCRIPTION
6	<p>Broadcast Receiver (androidx.work.impl.diagnostics.DiagnosticsReceiver) is Protected by a permission, but the protection level of the permission should be checked.</p> <p>Permission: android.permission.DUMP [android:exported=true]</p>	warning	<p>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.</p>
7	<p>Activity (com.facebook.CustomTabActivity) is not Protected.</p> <p>[android:exported=true]</p>	warning	<p>An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.</p>

NO	ISSUE	SEVERITY	DESCRIPTION
8	<p>Service (com.google.android.gms.auth.api.signin.RevocationBoundService) is Protected by a permission, but the protection level of the permission should be checked.</p> <p>Permission: com.google.android.gms.auth.api.signin.permission.REVOCATION_NOTIFICATION [android:exported=true]</p>	warning	<p>A Service 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.</p>

NO	ISSUE	SEVERITY	DESCRIPTION
9	<p>Broadcast Receiver (com.google.firebaseio.iid.FirebaseInstanceIdReceiver) is Protected by a permission, but the protection level of the permission should be checked.</p> <p>Permission: com.google.android.c2dm.permission.SEND [android:exported=true]</p>	warning	<p>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.</p>
10	<p>Activity (com.spotify.ageverification.ageassurancewebview.AgeAssuranceWebViewActivity) is not Protected.</p> <p>[android:exported=true]</p>	warning	<p>An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.</p>

NO	ISSUE	SEVERITY	DESCRIPTION
11	Activity-Alias (com.spotify.music.SpotifyEntryPointForGoogleMeet) is not Protected. [android:exported=true]	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
12	Activity-Alias (com.spotify.music.main.AppIconEmeraldGreen) is not Protected. [android:exported=true]	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
13	Activity-Alias (com.spotify.music.MainActivity) is not Protected. [android:exported=true]	warning	An Activity-Alias is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
14	Service (com.spotify.mediabrowserservice.mediabrowserservice.SpotifyMediaBrowserService) is not Protected. [android:exported=true]	warning	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
15	Service (com.spotify.mediabrowserservice.medialibraryservice.SpotifyMediaLibraryService) is not Protected. [android:exported=true]	warning	A Service 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
16	Service (com.spotify.carapplibrary.androidauto.AndroidAutoService) is not Protected. [android:exported=true]	warning	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
17	Content Provider (com.spotify.externalintegration.service.provider.MediaProvider) is not Protected. [android:exported=true]	warning	A Content Provider is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
18	Activity (com.spotify.appauthorization.externallogin.LoginRedirectActivity) 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.
19	TaskAffinity is set for activity (com.spotify.appauthorization.sso.AuthorizationActivity)	warning	If taskAffinity is set, then other application could read the Intents sent to Activities belonging to another task. Always use the default setting keeping the affinity as the package name in order to prevent sensitive information inside sent or received Intents from being read by another application.

NO	ISSUE	SEVERITY	DESCRIPTION
20	Activity (com.spotify.appauthorization.sso.AuthorizationActivity) 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.
21	TaskAffinity is set for activity (com.spotify.appauthorization.sso.externalproxyauth.AuthorizationCommandProxyActivity)	warning	If taskAffinity is set, then other application could read the Intents sent to Activities belonging to another task. Always use the default setting keeping the affinity as the package name in order to prevent sensitive information inside sent or received Intents from being read by another application.
22	Activity (com.spotify.appauthorization.sso.externalproxyauth.AuthorizationCommandProxyActivity) 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.

NO	ISSUE	SEVERITY	DESCRIPTION
23	TaskAffinity is set for activity (com.spotify.appauthorization.sso.internalauth.AuthorizationActivityInternalProxy)	warning	If taskAffinity is set, then other application could read the Intents sent to Activities belonging to another task. Always use the default setting keeping the affinity as the package name in order to prevent sensitive information inside sent or received Intents from being read by another application.
24	TaskAffinity is set for activity (com.spotify.appauthorization.sso.util.AfterLoginDummyActivity)	warning	If taskAffinity is set, then other application could read the Intents sent to Activities belonging to another task. Always use the default setting keeping the affinity as the package name in order to prevent sensitive information inside sent or received Intents from being read by another application.
25	Broadcast Receiver (com.spotify.bluetooth.deviceconnectionreceiverimpl.BluetoothConnectionStateReceiver) 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
26	Activity (com.spotify.carmobile.waze.WazeReturnActivity) 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.
27	Broadcast Receiver (com.spotify.carmobile.wazesdk.navigation.WazeWakeUpReceiver) 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.
28	Activity (com.spotify.checkout.deeplink.UcLoggedInDeepLinkActivity) 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.
29	Activity (com.spotify.checkout.spotifycheckout.SpotifyCheckoutCallbackActivity) 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.
30	Activity (com.spotify.connect.mediarouteactivity.jam.OutputSwitcherJamLauncherActivity) 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.

NO	ISSUE	SEVERITY	DESCRIPTION
31	Broadcast Receiver (androidx.mediarouter.media.MediaTransferReceiver) 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.
32	Service (com.spotify.connect.mediarouteprovider.SpotifyMediaRouteProviderService) is not Protected. [android:exported=true]	warning	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
33	Broadcast Receiver (com.spotify.engagesdk.engagecontinuationcluster.EngageContinuationClusterBroadcastReceiver) 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.
34	Broadcast Receiver (com.spotify.engagesdk.engagerecommendationscluster.EngageRecommendationsClusterBroadcastReceiver) 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.
35	Service (com.spotify.interapp.service.service.AppProtocolRemoteService) is not Protected. [android:exported=true]	warning	A Service 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
36	Activity (com.spotify.login.loginflowimpl.QuickLoginActivity) 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.
37	Activity (com.spotify.login.adaptiveauthentication.challenge.web.NoAnimLauncherActivity) 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.
38	Broadcast Receiver (com.spotify.mediasession.mediasession.receiver.MediaButtonReceiver) 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.
39	Broadcast Receiver (com.spotify.music.alarmlauncher.SpotifyAlarmLauncherReceiver) 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.
40	Service (com.spotify.music.alarmlauncher.SpotifyAlarmLauncherService) is not Protected. [android:exported=true]	warning	A Service 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
41	Activity (com.spotify.partneraccountlinking.partneraccountlinking.PartnerAccountLinkingActivity) 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.
42	Activity (com.spotify.payment.callback.PaymentCallbackActivity) 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.
43	Activity (com.spotify.share.socialimpl.result.ShareResultActivity) 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.
44	Service (com.spotify.tap.spoton.SpotOnService) is not Protected. [android:exported=true]	warning	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
45	Service (com.spotify.wear.wearabledatalayer.SpotifyWearableListenerService) is not Protected. [android:exported=true]	warning	A Service 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
46	Broadcast Receiver (com.spotify.widget.widget.widgetimpl.SpotifyWidget) 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.

</> CODE ANALYSIS

HIGH: 2 | WARNING: 9 | INFO: 2 | SECURE: 3 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	FILES
				com/spotify/mobius/Mobius.java p/a050.java p/a2h0.java p/a2w.java p/a3p0.java p/a4i0.java p/af50.java p/ah7.java p/ai6.java p/bfr0.java p/bqs0.java p/brk0.java p/bx00.java p/c050.java p/c10.java p/c550.java p/c6r.java p/c8n.java p/che0.java p/chf0.java p/czk0.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				p/d0u.java p/d3b.java p/d510.java p/dgs0.java p/dji.java p/dlf0.java p/dms0.java p/dmw.java p/doq0.java p/dr0.java p/dtm0.java p/dvp.java p/dze.java p/ecz.java p/eds0.java p/eff0.java p/eu3.java p/evp.java p/g58.java p/gf00.java p/gfp0.java p/gh7.java p/gla0.java p/gqd0.java p/gr7.java p/gts0.java p/gut.java p/gxl.java p/h510.java p/hm0.java p/ho8.java p/hos0.java p/hqc.java p/hw00.java p/hys0.java p/i5e0.java p/it8.java p/iti.java p/jb50.java p/jn7.java p/iqr0.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
1	<u>The App logs information. Sensitive information should never be logged.</u>	info	CWE: CWE-532: Insertion of Sensitive Information into Log File OWASP MASVS: MSTG-STORAGE-3	p/jt6.java p/jze.java p/kb20.java p/kb50.java p/ke5.java p/kos0.java p/kys0.java p/l4o.java p/lbo0.java p/lhn0.java p/lIs0.java p/lvv.java p/lxg0.java p/mhn0.java p/mr7.java p/mrq.java p/mtk.java p/n61.java p/n6r.java p/nh6.java p/nhn0.java p/njs0.java p/o1t0.java p/o9k.java p/oj2.java p/oos0.java p/or7.java p/oys0.java p/p0f.java p/p5u.java p/p6r.java p/ph50.java p/pj8.java p/q610.java p/qck0.java p/qh3.java p/qhw.java p/qkr0.java p/r6p.java p/rbi0.java n/ris0.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				<p>p/rqb0.java</p> <p>p/rtrq.java</p> <p>p/s0f.java</p> <p>p/s59.java</p> <p>p/s8v.java</p> <p>p/sh6.java</p> <p>p/sh7.java</p> <p>p/t0v.java</p> <p>p/t4q.java</p> <p>p/t5c0.java</p> <p>p/tfq0.java</p> <p>p/tvs0.java</p> <p>p/txf0.java</p> <p>p/u6o0.java</p> <p>p/u8k0.java</p> <p>p/uhw.java</p> <p>p/uwk0.java</p> <p>p/vec.java</p> <p>p/vie0.java</p> <p>p/vwr.java</p> <p>p/w7l.java</p> <p>p/wls0.java</p> <p>p/wor0.java</p> <p>p/x510.java</p> <p>p/xn1.java</p> <p>p/xqr0.java</p> <p>p/xye.java</p> <p>p/xyso.java</p> <p>p/y2m0.java</p> <p>p/y540.java</p> <p>p/ybd.java</p> <p>p/ygm.java</p> <p>p/yor0.java</p> <p>p/z6p.java</p> <p>p/zfs0.java</p> <p>p/zsq0.java</p> <p>p/zye.java</p>
				<p>app/rive/core/RiveSurface.java</p> <p>com/spotify/accountsswitching/switcherimpl/Accou</p>

NO	ISSUE	SEVERITY	STANDARDS	ntSwitchingUserInfoJsonAdapter.java FILEs com/spotify/jam/socialconnect/models/AcceptJamJoinRequest.java
				com/spotify/jam/socialconnect/models/CancelJoinRequest.java com/spotify/jam/socialconnect/models/PendingJoinRequest.java com/spotify/jam/socialconnect/models/RejectJamJoinRequest.java com/spotify/kodiak/table/table/DataSourceException.java com/spotify/listeningactivity/data/impl/UserActivityPayload.java com/spotify/localfiles/localfilesmonorepo/SortOrder.java com/spotify/localfiles/localfilesview/presenter/LocalFilesPresenterImpl.java com/spotify/localfiles/sortingpage/LocalFilesSortingPageParams.java com/spotify/login/signupapi/services/model/EmailSignupRequestBody.java com/spotify/login/signupapi/services/model/EmailSignupResponse.java com/spotify/login/signupapi/services/model/FacebookSignupResponse.java com/spotify/messaging/clientmessagingplatform/clientmessagingplatformsdk/api/models/ui/templates/BannerTemplate.java com/spotify/messaging/clientmessagingplatform/clientmessagingplatformsdk/api/models/ui/templates/BottomSheetTemplate.java com/spotify/messaging/clientmessagingplatform/clientmessagingplatformsdk/api/models/ui/templates/SnackBarTemplate.java com/spotify/notifications/models/message/Person.java com/spotify/notifications/models/preferences/ItemPreference.java com/spotify/player/model/ContextTrack.java com/spotify/voiceassistants/playermodels/Logging

NO	ISSUE	SEVERITY	STANDARDS	ParamsJsonAdapterKt.java FILEs/spotify/voiceassistants/playermodels/VoiceAss istsPerformance.java
2	<u>Files may contain hardcoded sensitive information like usernames, passwords, keys etc.</u>	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	p/a4p.java p/a6h0.java p/adt.java p/ail.java p/al0.java p/aqf0.java p/b6h0.java p/bdb0.java p/bw9.java p/c6h0.java p/cdb0.java p/cjn0.java p/cn60.java p/cw9.java p/d6h0.java p/dml.java p/dn70.java p/e1m0.java p/e4l0.java p/edt.java p/er60.java p/f1m0.java p/f4l0.java p/f5h0.java p/ff4.java p/gn70.java p/gpio.java p/gur0.java p/h39.java p/h5h0.java p/hct.java p/hk0.java p/hn70.java p/hwj.java p/i2f.java p/i5h0.java p/ibb0.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				p/in70.java p/jn70.java p/jwc.java p/jwj.java p/k250.java p/k5h0.java p/kn70.java p/kqp.java p/kt70.java p/ku00.java p/l2y.java p/l4m0.java p/l75.java p/la40.java p/lag0.java p/lct.java p/ln70.java p/m600.java p/mur0.java p/ndt.java p/ntr0.java p/nvj0.java p/nwr0.java p/o880.java p/ocy.java p/odt.java p/ole0.java p/orc0.java p/osp.java p/p1a.java p/pdt.java p/ple0.java p/pye0.java p/q250.java p/qhf.java p/qk9.java p/rhb0.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				<p>p/rp20.java</p> <p>p/rlw0.java</p> <p>p/spf0.java</p> <p>p/sv9.java</p> <p>p/sye0.java</p> <p>p/tug0.java</p> <p>p/tye0.java</p> <p>p/un9.java</p> <p>p/up9.java</p> <p>p/uye0.java</p> <p>p/v55.java</p> <p>p/vhz.java</p> <p>p/vof0.java</p> <p>p/vye0.java</p> <p>p/w1q.java</p> <p>p/wki0.java</p> <p>p/woi0.java</p> <p>p/wpp.java</p> <p>p/wwq.java</p> <p>p/xfb0.java</p> <p>p/xj0.java</p> <p>p/xt40.java</p> <p>p/y5k0.java</p> <p>p/yct.java</p> <p>p/yI5.java</p> <p>p/yn9.java</p> <p>p/yp10.java</p> <p>p/z5h0.java</p> <p>p/z5k0.java</p> <p>p/zct.java</p>
3	<u>This App may have root detection capabilities.</u>	secure	OWASP MASVS: MSTG-RESILIENCE-1	<p>p/zdh0.java</p> <p>com/comscore/android/CommonUtils.java</p> <p>p/zfb0.java</p> <p>com/comscore/android/util/jni/AndroidJniHelper.ja va</p> <p>p/ccs0.java</p> <p>p/ibb.java</p> <p>p/r1t0.java</p>

NO	ISSUE	SEVERITY	STANDARDS	FILES
4	<u>Insecure WebView Implementation, Execution of user controlled code in WebView is a critical Security Hole.</u>	warning	CWE: CWE-749: Exposed Dangerous Method or Function OWASP Top 10: M1: Improper Platform Usage OWASP MASVS: MSTG-PLATFORM-7	p/f2r0.java p/u77.java
5	<u>The App uses an insecure Random Number Generator.</u>	warning	CWE: CWE-330: Use of Insufficiently Random Values OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-6	com/spotify/app/music/service/SpotifyService.java com/spotify/musicappplatform/state/foregroundke perservice/impl/ForegroundKeeperService.java p/ai6.java p/bi80.java p/bpg0.java p/bup.java p/esw.java p/eyf.java p/ezp.java p/g1j.java p/hl8.java p/ixi0.java p/j8p.java p/kr60.java p/lv7.java p/mxg0.java p/n29.java p/n8x.java p/nlc0.java p/nnt.java p/ome.java p/r73.java p/ryk0.java p/ryr.java p/slujava p/t8p.java p/thi0.java p/twm.java p/u8w.java p/ukn0.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
				p/uqg.java p/w4.java p/wa1.java p/wka.java p/wkn0.java p/wyg.java p/xbj.java p/xes0.java p/xmg.java p/xyg.java p/ytf.java
6	<u>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.</u>	warning	CWE: CWE-89: Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') OWASP Top 10: M7: Client Code Quality	p/bki0.java p/ize.java p/jaq0.java p/lao0.java p/lvv.java p/lxg0.java p/o7p.java p/o8r.java p/ovf0.java p/prd0.java p/qvf0.java p/sgi.java p/ssp0.java p/sug0.java p/wpu.java p/wxl.java
7	<u>MD5 is a weak hash known to have hash collisions.</u>	warning	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	com/comscore/android/id/IdHelperAndroid.java com/comscore/util/crashreport/CrashReportDecorator.java p/als.java p/azp.java p/c550.java p/u8k0.java p/upo0.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
8	<u>The file or SharedPreference is World Readable. Any App can read from the file</u>	high	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	p/tvm.java
9	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	p/c4q.java p/min0.java p/ot60.java p/q3w.java p/u5u.java
10	IP Address disclosure	warning	CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2	p/h9u.java
11	<u>App can read/write to External Storage. Any App can read data written to External Storage.</u>	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	p/dnh0.java p/f3z.java p/fjp.java p/ixv.java p/tg40.java p/txr0.java p/vkk0.java p/zkh.java
12	<u>SHA-1 is a weak hash known to have hash collisions.</u>	warning	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	com/comscore/util/crashreport/CrashReportDecorator.java p/e4v.java p/ibb.java p/j2u.java p/ryr.java p/ufq.java p/xrp.java p/zgr0.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
13	<u>This App copies data to clipboard. Sensitive data should not be copied to clipboard as other applications can access it.</u>	info	OWASP MASVS: MSTG-STORAGE-10	p/bko.java p/gx.java p/hda0.java p/tee.java p/uih.java p/vi2.java p/vih.java p/wi2.java
14	<u>The App uses the encryption mode CBC with PKCS5/PKCS7 padding. This configuration is vulnerable to padding oracle attacks.</u>	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	p/ja1.java
15	<u>This app has capabilities to prevent tapjacking attacks.</u>	secure	OWASP MASVS: MSTG-PLATFORM-9	p/oig0.java
16	<u>This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.</u>	secure	OWASP MASVS: MSTG-NETWORK-4	p/ikk0.java

NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
----	------------	-------------	---------	-------------

BEHAVIOUR ANALYSIS

RULE ID	BEHAVIOUR	LABEL	FILES
			com/spotify/ageverification/ageassurancewebview/AgeAssuranceWebViewActivity.java com/spotify/appauthorization/sso/AuthorizationActivity.java com/spotify/carmobile/waze/WazeReturnActivity.java com/spotify/churnlock/churnlockedstate/ChurnLockedStateActivity.java com/spotify/connect/mediarouteactivity/jam/OutputSwitcherJamLauncherActivity.java com/spotify/gpb/googlecheckout/GoogleCheckoutActivity.java com/spotify/localfiles/localfilesview/domain/LocalFilesEffectHandler.java com/spotify/login/adaptiveauthentication/challenge/web/NoAnimLauncherActivity.java com/spotify/login/loginflowimpl/LoginActivity.java com/spotify/payment/callback/PaymentCallbackActivity.java com/spotify/profile/editprofile/editprofile/ChangePronounsActivity.java com/spotify/widgets/npvwidget/WidgetsProxyActivity.java p/a80.java p/a9t.java p/ai50.java p/ajv.java p/b37.java p/b8d.java p/b9v.java p/bg20.java p/bh.java p/bjr0.java p/bq40.java p/byk0.java p/ca.java p/cd20.java p/ch.java p/cpj0.java p/ctk.java p/ctw.java p/d5r.java p/ddv.java p/do3.java

RULE ID	BEHAVIOUR	LABEL	FILES
			<p>p/dwf.java p/dx0.java p/eed.java p/eje0.java</p> <p>p/esv.java p/f890.java p/fsu.java p/fty.java p/fzg0.java p/g0l0.java p/g0s.java p/g71.java p/gk3.java p/gnx.java p/gpj0.java p/gq0.java p/h2y.java p/hd0.java p/hdc.java p/hf0.java p/hk80.java p/hp80.java p/hsr.java p/i6s.java p/ib0.java p/iof0.java p/iti.java p/ivu.java p/ix40.java p/ixv.java p/iy4.java p/j10.java p/j890.java p/jmf0.java p/k10.java p/k1o0.java p/k90.java p/kba0.java p/kea.java p/kia0.java</p>

RULE ID	Implicit intent(view a web page, make BEHAVIOUR.)	control LABEL	p/kv6.java p/lil.java FILES p/y60.java p/lze0.java
			p/ma4.java p/mf10.java p/mg50.java p/mh9.java p/mlo0.java p/mr70.java p/n23.java p/n9u.java p/ng5.java p/ngv.java p/og7.java p/ogu.java p/oi70.java p/ole.java p/orw.java p/p6e0.java p/piq0.java p/pmk.java p/pwh.java p/q7y.java p/q8h0.java p/q910.java p/q9f0.java p/qcr0.java p/qh.java p/qhu.java p/r4k.java p/rf.java p/rqc0.java p/rv1.java p/s1v.java p/s6k0.java p/se8.java p/sen0.java p/sqp0.java p/t2s.java

RULE ID	BEHAVIOUR	LABEL	FILES
			<p>p/tgu.java p/ti3.java p/tmh0.java p/tvs0.java</p> <p>p/u160.java p/u65.java p/uaz.java p/udv.java p/upo0.java p/v42.java p/v73.java p/vg40.java p/vj2.java p/vv40.java p/w7f0.java p/w7w.java p/wcq0.java p/wj7.java p/wsw.java p/wu.java p/ww60.java p/wxh.java p/wzf0.java p/x7t.java p/x810.java p/xa5.java p/xk8.java p/xky.java p/xqp0.java p/xw40.java p/xyh.java p/y68.java p/y9.java p/yi7.java p/yp8.java p/ytf.java p/yx1.java p/yy7.java p/za10.java p/zim.java</p>

RULE ID	BEHAVIOUR	LABEL	FILES
00051	Implicit intent(view a web page, make a phone call, etc.) via setData	control	com/spotify/connect/mediarouteactivity/jam/OutputSwitcherJamLauncherActivity.java com/spotify/localfiles/localfilesview/domain/LocalFilesEffectHandler.java com/spotify/payment/callback/PaymentCallbackActivity.java com/spotify/profile/editprofile/editprofile/ChangePronounsActivity.java com/spotify/widgets/npvwidget/WidgetsProxyActivity.java p/a9t.java p/bjr0.java p/ch.java p/d5r.java p/fty.java p/g0l0.java p/g0s.java p/h2y.java p/hp80.java p/iti.java p/ixv.java p/j10.java p/jmf0.java p/k10.java p/ma4.java p/mg50.java p/mh9.java p/mr70.java p/ng5.java p/og7.java p/ole.java p/p6e0.java p/qh.java p/rv1.java p/se8.java p/sqp0.java p/vg40.java p/w7w.java p/wj7.java p/x7t.java

RULE ID	BEHAVIOUR	LABEL	p/xky.java p/xw40.java FILES p/zkj0.java
00147	Get the time of current location	collection location	p/ph3.java
00075	Get location of the device	collection location	p/ph3.java
00115	Get last known location of the device	collection location	p/ph3.java

RULE ID	BEHAVIOUR	LABEL	FILES
00036	Get resource file from res/raw directory	reflection	com/spotify/widgets/npvwidget/WidgetsProxyActivity.java com/spotify/widgets/npvwidget/e0.java com/spotify/widgets/npvwidget/g.java p/a7h.java p/bjr0.java p/byk0.java p/ch.java p/g0s.java p/gk3.java p/hsr.java p/iti.java p/ixv.java p/j10.java p/jfr0.java p/k1o0.java p/l4o.java p/lc4.java p/n23.java p/o7v.java p/og7.java p/pql0.java p/pwh.java p/q9f0.java p/rae.java p/rv1.java p/tq80.java p/udv.java p/voc0.java p/w7w.java p/wca0.java p/x810.java

RULE ID	BEHAVIOUR	LABEL	FILES
00030	Connect to the remote server through the given URL	network	com/comscore/util/unittest/TestUtils.java p/dni.java p/s7o0.java p/wgt.java
00109	Connect to a URL and get the response code	network command	com/comscore/util/crashreport/CrashReportHttpFlusher.java com/comscore/util/jni/JniComScoreHelper.java com/comscore/util/unittest/TestUtils.java p/dni.java p/gut.java p/sdo0.java p/sh7.java p/u8.java p/ufq.java p/wgt.java p/yes0.java
			com/spotify/listuxplatformconsumers/standard/shared/VideoFirstProto\$State.java com/spotify/localfiles/mediastore/LocalFileSyncMigrator.java com/spotify/playlistediting/setpictureimpl/SetPlaylistPictureWorker.java p/ahw.java p/ail0.java p/als.java p/aq2.java p/c4q.java p/cxo.java p/d3l.java p/daa0.java p/ddz.java p/e8k.java p/gk3.java p/i4q.java p/ibb.java p/j5q.java

RULE ID	BEHAVIOUR	LABEL	FILES
00013	Read file and put it into a stream	file	p/jib0.java p/joo0.java p/jt6.java p/jth.java p/ju7.java p/kb20.java p/koo0.java p/l6b0.java p/n0f.java p/n1f.java p/n5q.java p/n5q0.java p/neb0.java p/nwg0.java p/ot00.java p/ot60.java p/owe.java p/qfd.java p/qwo.java p/r1j0.java p/rgi.java p/sg80.java p/t550.java p/tg40.java p/two.java p/txr0.java p/v3s.java p/voc0.java p/vr3.java p/w1j0.java p/wzf0.java p/y3w.java p/yox.java p/z6p.java p/zfd.java p/zim.java p/zsz.java p/zye.java

RULE ID	BEHAVIOUR	LABEL	FILES
00091	Retrieve data from broadcast	collection	com/spotify/android/permissionsimpl/PermissionsRequestActivity.java com/spotify/connect/mediarouteactivity/jam/OutputSwitcherJamLauncherActivity.java com/spotify/share/socialimpl/result/ShareResultActivity.java com/spotify/share/socialimpl/util/ShareResultReceiver.java p/arp.java p/bh.java p/ccy.java p/cn0.java p/d5r.java p/ddv.java p/dwi0.java p/e62.java p/e8p0.java p/ee1.java p/evp.java p/hle.java p/hsh.java p/hza.java p/ib0.java p/jn7.java p/kys0.java p/na8.java p/nal.java p/nch0.java p/og7.java p/pwh.java p/qnv.java p/qp40.java p/qsg0.java p/rf.java p/rkj.java p/s8v.java p/vxn0.java p/wu.java

RULE ID	BEHAVIOUR	LABEL	FILES
00022	Open a file from given absolute path of the file	file	com/fasterxml/jackson/databind/ser/std/FileSerializer.java p/a0q.java p/aif0.java p/btz.java p/bvj.java p/c4q.java p/d28.java p/eqs0.java p/fjp.java p/g9p0.java p/h4q.java p/ig3.java p/ivu.java p/kb20.java p/lek.java p/lqc0.java p/min0.java p/mjs0.java p/pf.java p/qys0.java p/s0f.java p/saa0.java p/sdo0.java p/t550.java p/tg40.java p/tpr0.java p/txr0.java p/v0d0.java p/vkk0.java p/vr3.java p/w1j0.java p/wyg.java p/zeh0.java p/zsz.java p/zye.java

RULE ID	BEHAVIOUR	LABEL	FILES
00005	Get absolute path of file and put it to JSON object	file	p/kb20.java p/s0f.java p/sdo0.java
00004	Get filename and put it to JSON object	file collection	p/b37.java p/gk3.java p(mb5.java p/mew.java p/ot00.java p/ot60.java p/q1t0.java p/s0f.java p/uv30.java p/x3w.java
00094	Connect to a URL and read data from it	command network	p/dni.java p/n6r.java p/sdo0.java
00112	Get the date of the calendar event	collection calendar	com/fasterxml/jackson/databind/ser/std/StdKeySerializers.java com/fasterxml/jackson/databind/util/StdDateFormat.java p/ugr0.java p/v20.java
00189	Get the content of a SMS message	sms	com/spotify/localfiles/mediastore/MediaStoreReader.java p/bq40.java
00188	Get the address of a SMS message	sms	com/spotify/localfiles/mediastore/MediaStoreReader.java p/bq40.java
00200	Query data from the contact list	collection contact	com/spotify/localfiles/mediastore/MediaStoreReader.java p/bq40.java

RULE ID	BEHAVIOUR	LABEL	FILES
00187	Query a URI and check the result	collection sms callog calendar	com/spotify/localfiles/mediastore/MediaStoreReader.java p/bq40.java
00201	Query data from the call log	collection callog	com/spotify/localfiles/mediastore/MediaStoreReader.java p/bq40.java
00077	Read sensitive data(SMS, CALLLOG, etc)	collection sms callog calendar	com/spotify/localfiles/mediastore/LocalFileSyncMigrator.java com/spotify/localfiles/mediastore/MediaStoreReader.java p/bq40.java p/jd10.java
00065	Get the country code of the SIM card provider	collection	p/dl60.java
00191	Get messages in the SMS inbox	sms	p/bq40.java p/byk0.java p/pql0.java p/pzq0.java p/uaz.java
00096	Connect to a URL and set request method	command network	com/comscore/util/jni/JniComScoreHelper.java p/dni.java p/gut.java p/s7o0.java p/sdo0.java p/sh7.java p/u8.java p/wgt.java

RULE ID	BEHAVIOUR	LABEL	FILES
00079	Hide the current app's icon	evasion	p/dji.java p/gx60.java p/p60.java p/z710.java
00121	Create a directory	file command	p/mfr.java p/sdo0.java p/sh6.java p/y2n.java
00078	Get the network operator name	collection telephony	p/ixv.java p/twg0.java
00125	Check if the given file path exist	file	p/jai0.java p/mfr.java p/nh6.java p/sdo0.java p/sh6.java p/uv30.java
00104	Check if the given path is directory	file	p/jai0.java p/sdo0.java p/sh6.java
00012	Read data and put it into a buffer stream	file	p/als.java p/vr3.java p/wzf0.java p/z6p.java
00003	Put the compressed bitmap data into JSON object	camera	p/mfr.java p/xn1.java

RULE ID	BEHAVIOUR	LABEL	FILES
00023	Start another application from current application	reflection control	com/spotify/premiumdestination/upsell/activity/upsell/NotificationsIntentReceiver.java
00011	Query data from URI (SMS, CALLLOGS)	sms callog collection	p/bq40.java
00132	Query The ISO country code	telephony collection	p/hfp0.java
00089	Connect to a URL and receive input stream from the server	command network	com/comscore/Activation.java p/dni.java p/o96.java p/sdo0.java p/sh7.java p/u8.java p/ufq.java p/wgt.java
00108	Read the input stream from given URL	network command	p/dni.java p/sdo0.java
00024	Write file after Base64 decoding	reflection file	p/btz.java
00009	Put data in cursor to JSON object	file	p/jqr0.java
00014	Read file into a stream and put it into a JSON object	file	p/e8k.java p/gk3.java p/kb20.java p/n1f.java p/ot00.java p/ot60.java

RULE ID	BEHAVIOUR	LABEL	FILES
00015	Put buffer stream (data) to JSON object	file	p/ixv.java
00043	Calculate WiFi signal strength	collection wifi	p/xli0.java
00153	Send binary data over HTTP	http	p/gut.java
00028	Read file from assets directory	file	p/bc4.java

FIREBASE DATABASES ANALYSIS

TITLE	SEVERITY	DESCRIPTION
App talks to a Firebase database	info	The app talks to Firebase database at https://pushka-notifications.firebaseio.com
Firebase Remote Config disabled	secure	Firebase Remote Config is disabled for https://firbaseremoteconfig.googleapis.com/v1/projects/494597445014/namespaces.firebaseio:fetch?key=AlzaSyDqQSJmMHjaXI_aFg7GWB-U2y1hk_qbFcc . This is indicated by the response: {'state': 'NO_TEMPLATE'}

ABUSED PERMISSIONS

Type	Matches	Permissions
Malware Permissions	14/25	android.permission.ACCESS_NETWORK_STATE, android.permission.WAKE_LOCK, android.permission.RECEIVE_BOOT_COMPLETED, android.permission.INTERNET, android.permission.WRITE_EXTERNAL_STORAGE, android.permission.READ_PHONE_STATE, android.permission.READ_EXTERNAL_STORAGE, android.permission.VIBRATE, android.permission.ACCESS_WIFI_STATE, android.permission.RECORD_AUDIO, android.permission.GET_ACCOUNTS, android.permission.ACCESS_FINE_LOCATION, android.permission.ACCESS_COARSE_LOCATION, android.permission.CAMERA
Other Common Permissions	9/44	android.permission.BLUETOOTH, android.permission.BLUETOOTH_ADMIN, android.permission.FOREGROUND_SERVICE, com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE, com.google.android.gms.permission.AD_ID, com.google.android.c2dm.permission.RECEIVE, android.permission.BROADCAST_STICKY, android.permission.MODIFY_AUDIO_SETTINGS, com.android.launcher.permission.INSTALL_SHORTCUT

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

🔍 DOMAIN MALWARE CHECK

Domain	Status	Geolocation

DOMAIN	STATUS	GEOLOCATION
developer.android.com	ok	IP: 142.251.34.206 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
i.scdn.co	ok	IP: 23.192.230.11 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
api2.branch.io	ok	IP: 3.165.160.56 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
checkout.spotifycdn.com	ok	IP: 151.101.22.250 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
misc.scdn.co	ok	IP: 23.192.230.9 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
vignette.wikia.nocookie.net	ok	IP: 74.120.184.194 Country: United States of America Region: California City: San Francisco Latitude: 37.788464 Longitude: -122.394608 View: Google Map
agnostic-api.spotify.dev	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
wear.spotifycdn.com	ok	IP: 23.192.230.13 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map

DOMAIN	STATUS	GEOLOCATION
contentreporting.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
accounts.google.com	ok	IP: 192.178.163.84 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
adstudio-video-preview-image.spotifycdn.com	ok	IP: 23.192.230.11 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
party.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
wgint.spotify.net	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
aomedia.org	ok	IP: 185.199.109.153 Country: United States of America Region: Pennsylvania City: California Latitude: 40.065632 Longitude: -79.891708 View: Google Map
firebaseinstallations.googleapis.com	ok	IP: 142.250.73.138 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.sandbox.paypal.com	ok	IP: 146.75.43.1 Country: Sweden Region: Vastra Gotalands lan City: Goteborg Latitude: 57.707161 Longitude: 11.966790 View: Google Map
workspace.google.com	ok	IP: 142.250.217.110 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
image-cdn.spotifycdn.com	ok	IP: 23.192.230.11 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
goo.gle	ok	IP: 67.199.248.13 Country: United States of America Region: New York City: New York City Latitude: 40.739288 Longitude: -73.984955 View: Google Map
c.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
youtrack.jetbrains.com	ok	IP: 63.33.88.220 Country: Ireland Region: Dublin City: Dublin Latitude: 53.343990 Longitude: -6.267190 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.amazon.com	ok	IP: 18.238.215.27 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
oops.i.dont.exist	ok	No Geolocation information available.
shareables.scdn.co	ok	IP: 151.101.22.250 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
spotify.app.link	ok	IP: 18.172.170.125 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
support.google.com	ok	IP: 142.250.69.174 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
graph-video.s	ok	No Geolocation information available.
spotify.link	ok	IP: 35.167.216.18 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
scannables.scdn.co	ok	IP: 151.101.22.248 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
.facebook.com	ok	No Geolocation information available.
partner-accounts.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
app-version-sunsetting-cdn.spotifycdn.com	ok	IP: 23.192.230.4 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
paymentsdk.spotifycdn.com	ok	IP: 23.192.230.11 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 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
giphy.com	ok	IP: 151.101.193.91 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
developer.apple.com	ok	IP: 17.253.31.133 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map
firebase-settings.crashlytics.com	ok	IP: 142.250.217.67 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.facebook.com	ok	IP: 57.144.216.1 Country: United States of America Region: California City: Palo Alto Latitude: 37.441879 Longitude: -122.143021 View: Google Map
default.url	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
onemillioncheckboxes.com	ok	IP: 104.21.45.179 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
www.paypal.com	ok	IP: 146.75.41.21 Country: Sweden Region: Vastra Gotalands lan City: Goteborg Latitude: 57.707161 Longitude: 11.966790 View: Google Map
firebase.google.com	ok	IP: 142.250.217.110 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
audiobooks.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
facebook.com	ok	IP: 57.144.216.1 Country: United States of America Region: California City: Palo Alto Latitude: 37.441879 Longitude: -122.143021 View: Google Map
age-assurance.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
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
ns.adobe.com	ok	No Geolocation information available.
payments.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
wa.me	ok	IP: 157.240.3.54 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map
wikipedia.org	ok	IP: 198.35.26.96 Country: United States of America Region: California City: San Francisco Latitude: 37.791256 Longitude: -122.400810 View: Google Map
simplelocalize.io	ok	IP: 104.26.12.79 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
graph.s	ok	No Geolocation information available.
support.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
pme-config.spotifycdn.com	ok	IP: 23.192.230.13 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
sponsored-recommendations.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
www.ftc.go.kr	ok	IP: 116.67.36.13 Country: Korea (Republic of) Region: Seoul-teukbyeolsi City: Seoul Latitude: 37.568260 Longitude: 126.977829 View: Google Map
www.youtube.com	ok	IP: 142.251.33.78 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
artists.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
www.slf4j.org	ok	IP: 31.97.181.89 Country: United Kingdom of Great Britain and Northern Ireland Region: England City: Bowness-on-Windermere Latitude: 54.363312 Longitude: -2.918590 View: Google Map
schemas.android.com	ok	No Geolocation information available.
r.spotify.com	ok	No Geolocation information available.
ghe.spotify.net	ok	No Geolocation information available.
www.example.com	ok	IP: 104.96.203.35 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map

DOMAIN	STATUS	GEOLOCATION
accounts.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
t.scdn.co	ok	IP: 146.75.42.248 Country: Sweden Region: Vastra Gotalands lan City: Goteborg Latitude: 57.707161 Longitude: 11.966790 View: Google Map
spotify-tap.spotifycdn.com	ok	IP: 23.192.230.10 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
message-editor.scdn.co	ok	IP: 151.101.22.248 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
ai-playlist.spotifycdn.com	ok	IP: 23.192.230.13 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
www.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
betamax.akamaized.net	ok	IP: 23.40.41.13 Country: United States of America Region: Massachusetts City: Cambridge Latitude: 42.363598 Longitude: -71.085205 View: Google Map
pushka-notifications.firebaseio.com	ok	IP: 35.190.39.113 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
github.com	ok	IP: 140.82.116.4 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
cdn-spotify-gen-alpha.spotifycdn.com	ok	IP: 23.192.230.11 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
schemas.microsoft.com	ok	IP: 13.107.226.70 Country: United States of America Region: Washington City: Redmond Latitude: 47.682899 Longitude: -122.120903 View: Google Map
open.spotify.com	ok	IP: 151.101.23.42 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
storage.googleapis.com	ok	IP: 142.250.73.91 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
javax.xml.xmlconstants	ok	No Geolocation information available.
g.co	ok	IP: 142.251.34.206 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
sb.scorecardresearch.com	ok	IP: 18.65.229.52 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
developers.facebook.com	ok	IP: 57.144.216.141 Country: United States of America Region: California City: Palo Alto Latitude: 37.441879 Longitude: -122.143021 View: Google Map

DOMAIN	STATUS	GEOLOCATION
fast.com	ok	IP: 23.6.97.117 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map
cdn.branch.io	ok	IP: 108.138.94.53 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map
issuetracker.google.com	ok	IP: 142.250.73.142 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.success.com	ok	IP: 141.193.213.21 Country: United States of America Region: Texas City: Austin Latitude: 30.271158 Longitude: -97.741699 View: Google Map

DOMAIN	STATUS	GEOLOCATION
plus.google.com	ok	IP: 142.250.217.110 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
about-recommendations.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
maps.google.com	ok	IP: 142.250.217.110 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
dj-earcons.spotifycdn.com	ok	IP: 23.192.230.5 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map

DOMAIN	STATUS	GEOLOCATION
nftonboarding-images.scdn.co	ok	IP: 23.192.230.11 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
alexa.amazon.com	ok	IP: 52.85.139.120 Country: United States of America Region: Massachusetts City: Boston Latitude: 42.358429 Longitude: -71.059769 View: Google Map
waze.com	ok	IP: 130.211.9.172 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
image.jpg	ok	No Geolocation information available.
wwwcheckout.spotifycdn.com	ok	IP: 23.192.230.10 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map

DOMAIN	STATUS	GEOLOCATION
oauth-redirect.googleusercontent.com	ok	IP: 142.250.217.97 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
the-drop-assets.spotifycdn.com	ok	IP: 23.192.230.13 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
learning-public-assets-cdn.spotifycdn.com	ok	IP: 23.192.230.4 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
spclient.wg.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
partnerapi.spotify.net	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
authCallback.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
mosaic.scdn.co	ok	IP: 146.75.42.248 Country: Sweden Region: Vastra Gotalands lan City: Goteborg Latitude: 57.707161 Longitude: 11.966790 View: Google Map
misc.spotifycdn.com	ok	IP: 23.192.230.6 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map

DOMAIN	STATUS	GEOLOCATION
segment-data-us-east.zqtk.net	ok	IP: 172.234.239.211 Country: United States of America Region: Massachusetts City: Cambridge Latitude: 42.363598 Longitude: -71.085205 View: Google Map
lexicon-assets.spotifycdn.com	ok	IP: 23.192.230.6 Country: United States of America Region: California City: San Jose Latitude: 37.339390 Longitude: -121.894958 View: Google Map
play.google.com	ok	IP: 142.250.217.110 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
apresolve.spotify.com	ok	IP: 35.186.224.24 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
links.tospotify.com	ok	IP: 108.138.94.44 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map

✉️ EMAILS

EMAIL	FILE
u0013android@android.com0 u0013android@android.com	p/vrs0.java
example@email.com support@spotify.com	Android String Resource

🕵️ TRACKERS

TRACKER	CATEGORIES	URL
Branch	Analytics	https://reports.exodus-privacy.eu.org/trackers/167
ComScore	Advertisement, Analytics	https://reports.exodus-privacy.eu.org/trackers/56

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

🔑 HARDCODED SECRETS

POSSIBLE SECRETS
"com.google.firebaseio.crashlytics.mapping_file_id" : "84cb4f009ed5402faea3c93641687f60"
"connect_group_session_phone" : "phone"
"connect_group_session_tablet" : "tablet"
"default_join_session_sheet_join_button" : "Join"
"edit_playlist_make_playlist_private_dialog_cancel_button" : "Cancel"
"facebook_client_token" : "892e40f54a536e2df0041ee946fc5c7d"
"firebase_database_url" : "https://pushka-notifications.firebaseio.com"
"google_api_key" : "AIzaSyDqQSJmMHjaXI_aFg7GWB-U2y1hk_qbFcc"
"google_meet_end_session_dialog_cta_close" : "Cancel"
"google_meet_leave_session_dialog_cta_close" : "Cancel"

POSSIBLE SECRETS

"google_meet_start_session_dialog_cta_close" : "Cancel"

"item_description_author" : "Author"

"library_sort_order_author" : "Author"

"media_provider_authority" : "com.spotify.mobile.android.mediaapi"

"playlist_make_private_dialog_negative" : "Cancel"

"queue_group_session_header_end_session_button" : "End"

"queue_group_session_header_leave_session_button" : "Leave"

"your_library_content_filter_authors" : "Authors"

"your_library_sort_menu_author" : "Author"

c6ffea087c1eb57023f5bbcc2c41e2ce

e11b1a8713164f739d2a9d9fed5a4c01

1d2cf25b1643474983fae381b00cea3c

728ed47fc1674feb95f7ac20236eb6d7

c2d7f5fe99d84e04b64cbc1d012d457a

ab6765630000ba8aba171f199566acba79767863

POSSIBLE SECRETS

ab671fcc00009256dbbf398619b24f4635946641

2438bce1ddb7bd026d5ff89f598b3b5e5bb824b3

3E1D50CD-7E3E-427D-8E1C-B78AA87FE624

86254750241babac4b8d52996a675549

e234841ae93149b8c0140baa92624bc0

c56fb7d591ba6704df047fd98f535372fea00211

5addfc9c8d54c98f75ef709df19aa76

nn4bakmHlrpApi2isHMnIBE/FOYzj9ir80plswMTB03tvadEDcTZ3HiHNvVVihBeG

nChMHU3BvdGlmeTCCASlwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBALVsO0lp

a4b7452e2ed8f5f191058ca7bbfd26b0d3214bfc

8a3c4b262d721acd49a4bf97d5213199c86fa2b9

3d91887fb6006f9b1f27d9dd076d75bd

492fe76563af46f2b24a4322e1110b5c

14aea23c33e0df95406fa36c2af8b7e4

6LepKD4qAAAAAIvxe645wac2oJoyFEVbjzVEbTmO

POSSIBLE SECRETS

b98b41a4dcbfbf720b4196e4da3ae2c649ba62afb78d944a14e86f73a975695b

nqVnbPcDOcXpQ2P++IQ08aVoscQ7/kW90neiKxGOy7gMdtxL5pOn2QsKZnCn9KKSt

5ff3c1ccab8b43fc99fd8eb44bd07ec9

8593116e1f761e31036d1032483410380b78096c186e0374546c1d670e38177415374875173640340c675f394a745c6507325c75406f047159680a741467027a466f1930
196c0a68126f0b324c3107620a6d406919645532

ab671fcc00009256b7cc70ee7bb00967a825348e

CgdTcG90aWZ5Eg1QYXJ0bmVyUGxheWVy

nE4GNV2xpOaVirYYHJZhX1TUI/fN9EtOwylCy5aPltCxS4wfaHOtoakow6zWbv5ia

0f053e0244a44e94933c24a5d99b4ef7

ce581542d24c47ff957d86f7e1b286ce

MIICwzCCAaugAwIBAgIEUAA0BjANBgkqhkiG9w0BAQsFADASMR AwDgYDVQQKEwdT

899d093059384c625b35416b176147614a7642670b6a01614663453552375b38056f0470077607360974466b0139456b536d1738546e0465506a0563547607675e67

966db6b5e8546a50443b734c18cd28d8

nXuQ2mmNCMe4odV3gHWBlrwEODJ58VI7JICQ6fz1IExERR3zGtx9gHLe3MKGRQeBp

7a6d646e6d767031396d6832653473386a787a6c6c6e3974376c7267633839746637387578363434656739393374726564323475326f6b7134686f747767637a356f6d30
376c7968776f6832393175626f6d6e696f646432

9cc4aaeb43f24b098cff096385f00233

POSSIBLE SECRETS

ab67656300005f1f664952e8a2db095da293159d

88197451c42e4c5d96b00be2e4e30713

9ef35a57bbb445a9b329037d6fc3643b

a6fa7e5e83674dda98ddfcf00dc24bea-

4dddafab4d054c70a710e1605a76f639

AC4F797F-CA34-49D0-9D84-F5C4B0C9A756

8de5a95d582641b7b91eccdc4edd3ed4

805f2916c4d64f3cb684aa991527168e

434d885d509143d9b772a0d46a9e5804

9B26D8C0-A8ED-440B-95B0-C4714A518BCC

d67ac72aa4a8cece7aedacad51645ca8

fd1e7bbc608b4ec1a90eaf23d44e8669

8625198a5ee54c7aa603cd4714d3e639

0fd0c9ee3b1647d7959b1276fb58d5d8

POSSIBLE SECRETS

nw0JCMA0GCSqGSIb3DQEBCwUAA4IBAQBcKDelqPz8El5e+9MeJ2sihLZlQrDfjCLM

486b7232de5fc4e1b3825c60ba7c9e9d

bbf535ccb3ed5f2bcd07c8331dbb6312

018546a152ef5ad9718196b5d50ea573

df6b721c8b4d3b6eb44c861d4415007e5a35fc95

9b8f518b086098de3d77736f9458a3d2f6f95a37

4eebac032af2f53948ef8c2564a9ef8a

a6fa7e5e83674dda98ddfcf00dc24bea

70084030-2614-4BF2-BB30-150702118C33

1e43b2cb-b1fa-4f1c-a118-9afa3d42057d

82c4b4cd1a034256bd2a190cdcafdd0a

9a8d2f0ce77a4e248bb71fefcb557637

c68c2249dd78211e654e1cab770c092a

cc2751449a350f668590264ed76692694a80308a

3e3c91ea35fd41f8925d7bb68f07d3da

POSSIBLE SECRETS

9388f9efdfb94c058e57cbc972da0efd

393374737a6c3261776861747a63336475667161686d696469746665307472336f633270386d706665337a3875356f73633962637178336c66313539796279313366

bdbbbe571cef4b148a51a0defb957475

32827bf2dc87994e42be87a945335cf9

nc0VMirV59yYeh2j9zAVlkrq7VmMIS21qlClswQEH3mmqYY2FzNhaBY1UYjkOA15j

0f6ab2c3f985452a83b1609ce37afc65

35110f9adf249772dd17e1baf16948e8

9bfbb83ee80ccdee95e73bc93dacd62f

30D3137E-ED18-4715-9F83-CA06A152204F

914d67f6f529727de34d02b66c756daf

999ebd50a54523ccbd77817862ff661

2a1cd724fd0446d389b39036a6323547

5c6117641afdcc11643f1fe5464500c1

212b005bde914f2c97ab6f310c28ad98

dc9ecfcb91814373acd159bbdfeca5e9

POSSIBLE SECRETS

c6cd45734e6c0061156854744263006444664361516d0b645b74026556744a335d630b705c6d156656334c384035597305395b631478516c52310d394d621c310566

ab6732da00001007023b573e621de5bed99592f6

nBaVIVONstGSEDPECAwEAAaMhMB8wHQYDVR0OBBYEFNEv7mGNy6KExtG1b8w/Bo9G

0c3ff92392f1da458f90ce11b6d17155

76636a306f3874626a35726b76617161737675676a6a31617163773530376e38376f6770617662366b74766b3739716b376d7138306e6565336a6163317631676b67

258EAFA5-E914-47DA-95CA-C5AB0DC85B11

1cbd3130fa23b59692c061c594c16cc0

ab676d630000e1f027ceb8609568ba95b34b927e

8957cd9c7bf95b978ea88282dd34e73e

edef8ba9-79d6-4ace-a3c8-27dc51d21ed

7547a696ffa74995a5f05e7f08c79e5a

efb345cc9e24ed8b1fc09a90dbe21df

41c4d9c65eca47ec9b7faeccbc98fe5b

e57a3dcbd5174b20a9bfa81db99ec7d2

ab671fcc0000925657a98faaa3f245c73d236728

POSSIBLE SECRETS

nz0uP0a6UiZUR6KaQOfBUFP1RV3bVNjaexjSsLTAmg7/3BjBP4bRKfgy+AqjeLd0A

ab6775700000ee85e427d207f7f602f29ae05020

ab6765630000f68da1dd52eb7b4b3b70816e9866

f9dcb11cef0d4b0e979134b802af06ee

nurog9EnrZ/c895taOa6AKVoJP4RvSTrz03DpZ9ozJD2mOwFNXbqCTcRXFGSVy+1V

470fa2b4ae81cd56ecbcda9735803434cec591fa

a56a9ca4c3224149844c062bbebf64a4

a-95ed6082-b8e9-46e8-a73f-ff56f00f5d9d

► PLAYSTORE INFORMATION

Title: Spotify: Music and Podcasts

Score: 4.3204556 **Installs:** 1,000,000,000+ **Price:** 0 **Android Version Support:** Category: Music & Audio **Play Store URL:** [com.spotify.music](https://play.google.com/store/apps/details?id=com.spotify.music&hl=en)

Developer Details: Spotify AB, Spotify+AB, None, <https://www.spotify.com>, support@spotify.com,

Release Date: May 27, 2014 **Privacy Policy:** [Privacy link](#)

Description:

With the Spotify music and podcast app, you can play millions of songs, albums and original podcasts for free. We have even added audiobooks, so you can enjoy thousands of stories wherever you are! Stream music and podcasts, listen to audiobooks, discover albums, playlists or even single songs for free on your mobile or tablet. Subscribe to Spotify Premium to download and listen offline wherever you are. Spotify gives you access to a world of free music, curated playlists, artists, and podcasts you love. Discover podcasts, new music, top songs or listen to your favorite artists and albums. WHY SPOTIFY FOR MUSIC AND PODCASTS? • Listen to over 80 million songs and 4 million podcasts (and counting) • Enjoy over 300,000 newly added audiobook titles • Discover new music, albums, playlists and original podcasts. • Search for

your favorite song or artist by typing a lyric • Enjoy amazing sound quality on music and podcasts across all devices. • Create and share your own music playlists to suit your mood or discover other playlists you might like. • Listen to daily music mixes made just for you. • Explore top songs from different genres, countries or decades. • Subscribe to your favourite podcasts so that you never miss an episode, then curate your very own podcast library. • Bookmark individual podcasts into Playlists • Listen to music and podcasts on your mobile, tablet, desktop, PlayStation, Chromecast, TV, Wear OS or wearable device. Listen and discover the latest music from artists like; • Bad Bunny • Billie Eilish • Renzo Pianciola • The Temper Trap • Harry Styles Listen to your favorite music artists all day every day via the Popular Radio playlist feature. Here are just some of the artists we've already curated; • Taylor Swift • Drake • Eminem • Coldplay • Paolo Nutini • Fleetwood Mac Listen to over 40 category genres - New Releases, Charts, Live Events, Made for You, At Home, Only You, Summer, Pop, Workout, Hip-Hop, Mood, Party, Pride, Dance/Electronic, Alternative, Indie, Equal, Wellness, Rock, Frequency, R&B, Disney,, Throwback, Radar, Chill, Sleep, In the car, Kids & Family, Caribbean, Classical, Romance, Jazz, Instrumental, Afro, Christian and Gospel and Country. Listen to popular and exclusive podcasts like; • The Joe Rogan Experience • Modern Wisdom • 2 Bears, 1 Cave with Tom Segura and Bert Kreischer • Call Her Daddy and Crime Junkie Search, discover and play music, podcasts and audiobooks from all over the world for free, anywhere, anytime or create your own music playlists with the latest songs to suit your mood. WHY GO PREMIUM? • Listen to albums and playlists without ad breaks. • Download and listen to music and podcasts offline, wherever you are. • Jump back in and listen to your top songs with on-demand playback. • Choose from 4 subscription options – Individual, Duo, Family, Student. There's no commitment and you can cancel any time Audiobooks in Premium currently available in Australia, the UK & the US. Discover 250,000+ titles, 15 hours/month of available listening for Premium Individual subscribers and Duo & Family plan managers. Experience Spotify on your Wear OS device: • Enjoy your favourite music and podcasts without having your phone around. • Control playback on your phone or any of your Spotify compatible devices. • Download your favourite content for offline listening on the go (Premium only). • Get instant access to Spotify with our Tiles and Complications. Please note: This app features Nielsen's audience measurement software which will allow you to contribute to market research, such as Nielsen's Audio Measurement. If you don't want to participate, you can opt-out within the app settings. To learn more about our digital audience measurement products and your choices in regard to them, please visit <https://www.nielsen.com/digitalprivacy> for more information.

SCAN LOGS

Timestamp	Event	Error
2025-11-04 19:05:01	Generating Hashes	OK
2025-11-04 19:05:01	Extracting APK	OK
2025-11-04 19:05:01	Unzipping	OK

2025-11-04 19:05:02	Parsing APK with androguard	OK
2025-11-04 19:05:02	Extracting APK features using aapt/aapt2	OK
2025-11-04 19:05:02	Getting Hardcoded Certificates/Keystores	OK
2025-11-04 19:05:05	Parsing AndroidManifest.xml	OK
2025-11-04 19:05:05	Extracting Manifest Data	OK
2025-11-04 19:05:05	Manifest Analysis Started	OK
2025-11-04 19:05:07	Reading Network Security config from network_security_config.xml	OK
2025-11-04 19:05:07	Parsing Network Security config	OK
2025-11-04 19:05:07	Performing Static Analysis on: Spotify (com.spotify.music)	OK
2025-11-04 19:05:07	Fetching Details from Play Store: com.spotify.music	OK
2025-11-04 19:05:08	Checking for Malware Permissions	OK

2025-11-04 19:05:08	Fetching icon path	OK
2025-11-04 19:05:08	Library Binary Analysis Started	OK
2025-11-04 19:05:08	Reading Code Signing Certificate	OK
2025-11-04 19:05:08	Running APKiD 3.0.0	OK
2025-11-04 19:05:17	Detecting Trackers	OK
2025-11-04 19:05:22	Decompiling APK to Java with JADX	OK
2025-11-04 19:06:39	Converting DEX to Smali	OK
2025-11-04 19:06:39	Code Analysis Started on - java_source	OK
2025-11-04 19:07:09	Android SBOM Analysis Completed	OK
2025-11-04 19:07:24	Android SAST Completed	OK

2025-11-04 19:07:24	Android API Analysis Started	OK
2025-11-04 19:07:41	Android API Analysis Completed	OK
2025-11-04 19:07:41	Android Permission Mapping Started	OK
2025-11-04 19:12:06	Android Permission Mapping Completed	OK
2025-11-04 19:12:08	Android Behaviour Analysis Started	OK
2025-11-04 19:12:38	Android Behaviour Analysis Completed	OK
2025-11-04 19:12:38	Extracting Emails and URLs from Source Code	OK
2025-11-04 19:12:58	Email and URL Extraction Completed	OK
2025-11-04 19:12:58	Extracting String data from APK	OK
2025-11-04 19:12:58	Extracting String data from Code	OK

2025-11-04 19:12:58	Extracting String values and entropies from Code	OK
2025-11-04 19:13:07	Performing Malware check on extracted domains	OK
2025-11-04 19:13:19	Saving to Database	OK

Report Generated by - MobSF v4.4.3

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.

© 2025 Mobile Security Framework - MobSF | [Ajin Abraham](#) | [OpenSecurity](#).