

## ANDROID STATIC ANALYSIS REPORT



**Mindbody** (7.77.3)

File Name:	com.mindbodyonline.connect_24603.apk
Package Name:	com.mindbodyonline.connect
Scan Date:	Aug. 31, 2025, 4:49 a.m.
App Security Score:	46/100 (MEDIUM RISK)
Grade:	
Trackers Detection:	11/432

## FINDINGS SEVERITY

<b>飛</b> HIGH	▲ MEDIUM	i INFO	✓ SECURE	<b>@</b> HOTSPOT
2	30	3	0	2

#### FILE INFORMATION

File Name: com.mindbodyonline.connect\_24603.apk

Size: 124.27MB

**MD5**: b0909df02f3392344f9cdc24baa91da5

**SHA1:** 3e2010d44ae69baa54515c12b187c7d9e9432a83

SHA256: 35f6d06385f16d398bfaf3791e598cd3c0a53369fcf03840412430e99cd6680e

### **i** APP INFORMATION

App Name: Mindbody

Package Name: com.mindbodyonline.connect

Main Activity: com.mindbodyonline.connect.activities.TourActivity

Target SDK: 34 Min SDK: 23 Max SDK:

**Android Version Name:** 7.77.3

**Android Version Code: 24603** 

#### **EE** APP COMPONENTS

Activities: 98 Services: 15 Receivers: 24 Providers: 7

Exported Activities: 14
Exported Services: 2
Exported Receivers: 5
Exported Providers: 1



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

X.509 Subject: C=01, ST=CA, L=San Luis Obispo, O=MINDBODY Inc, OU=Electric Sheep Dreamers, CN=MINDBODY Inc

Signature Algorithm: rsassa\_pkcs1v15 Valid From: 2013-09-20 20:21:33+00:00 Valid To: 2038-09-14 20:21:33+00:00

Issuer: C=01, ST=CA, L=San Luis Obispo, O=MINDBODY Inc, OU=Electric Sheep Dreamers, CN=MINDBODY Inc

Serial Number: 0x2e538e62 Hash Algorithm: sha256

md5: 9db32546bc81a401d1cfd1538f5c7cc3

sha1: a5c1ac60603c5a6dc79757457ab5c9684f358016

sha256: 0011809c3201439766a24478f44ce0d915fcee9508e45de543c875d72c3da136

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: 152a8693bde6e77bd8b9d73a12d4f3e340273e5dcec4cb000180717eb5ed89a3

Found 1 unique certificates

## **⋮** APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
com.google.android.providers.gsf.permission.READ_GSERVICES	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_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
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.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
android.permission.READ_CALENDAR	dangerous	read calendar events	Allows an application to read all of the calendar events stored on your phone. Malicious applications can use this to send your calendar events to other people.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.WRITE_CALENDAR	dangerous	add or modify calendar events and send emails to guests	Allows an application to add or change the events on your calendar, which may send emails to guests.  Malicious applications can use this to erase or modify your calendar events or to send emails to guests.
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete external storage contents	Allows an application to write to external storage.
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
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.ACTIVITY_RECOGNITION	dangerous	allow application to recognize physical activity	Allows an application to recognize physical activity.
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.POST_NOTIFICATIONS	dangerous	allows an app to post notifications.	Allows an app to post notifications
android.permission.WAKE_LOCK	normal	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.

PERMISSION	STATUS	INFO	DESCRIPTION
com.google.android.c2dm.permission.RECEIVE	normal	recieve push notifications	Allows an application to receive push notifications from cloud.
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	normal	permission defined by google	A custom permission defined by Google.
android.permission.FOREGROUND_SERVICE	normal	enables regular apps to use Service.startForeground.	Allows a regular application to use Service.startForeground.
com.mindbodyonline.connect.DYNAMIC_RECEIVER_NOT_EXPORTED_PERMISSION	unknown	Unknown permission	Unknown permission from android reference

# ক্ল APKID ANALYSIS

FILE	DETAILS	
b0909df02f3392344f9cdc24baa91da5.apk	FINDINGS	DETAILS
bososulozisssesiscaczbaas raas.apk	Anti-VM Code	possible VM check

FILE	DETAILS		
	FINDINGS	DETAILS	
classes.dex	Anti-VM Code	Build.FINGERPRINT check	
	Compiler	r8 without marker (suspicious)	
	FINDINGS	DETAILS	
	Anti Debug Code	Debug.isDebuggerConnected() check	
classes2.dex	Anti-VM Code	Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.TAGS check subscriber ID check possible VM check	
	Compiler	r8 without marker (suspicious)	
	FINDINGS	DETAILS	
classes3.dex	Anti-VM Code	Build.MANUFACTURER check	
	Compiler	r8 without marker (suspicious)	

FILE	DETAILS		
	FINDINGS	DETAILS	
classes4.dex	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check network operator name check possible VM check	
	Anti Debug Code	Debug.isDebuggerConnected() check	
	Compiler	r8 without marker (suspicious)	
classes5.dex	FINDINGS	DETAILS	
Clussessack	Compiler	r8 without marker (suspicious)	

FILE	DETAILS		
	FINDINGS	DETAILS	
classes6.dex	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.TAGS check subscriber ID check possible VM check	
	Compiler	r8 without marker (suspicious)	
	FINDINGS	DETAILS	
classes7.dex	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.BOARD check possible Build.SERIAL check network operator name check subscriber ID check	
	Compiler	r8 without marker (suspicious)	

FILE	DETAILS		
	FINDINGS		DETAILS
classes8.dex	Compiler		dx
classes9.dex	FINDINGS	DETAILS	
Classes, acc	Compiler	unknown (please file	detection issue!)

# **■** BROWSABLE ACTIVITIES

ACTIVITY	INTENT
com.mindbodyonline.connect.activities.TourActivity	Schemes: https://, mindbodyconnect://, x-mindbodyconnect-oauth-mindbody://, Hosts: get.mndbdy.ly, mindbody.app.link, mindbody-alternate.app.link, mindbody.test-app.link, mindbody-alternate.test-app.link, authcode,
com.mindbodyonline.connect.activities.workflow.FitbitAccessTokenActivity	Schemes: x-mindbodyconnect-oauth-fitbit://, Hosts: authcode,
com.mindbodyonline.connect.activities.workflow.StravaAccessTokenActivity	Schemes: x-mindbodyconnect-oauth-strava://, Hosts: authcode,
sdk.pendo.io.activities.PendoGateActivity	Schemes: pendo-42d14d29://,

ACTIVITY	INTENT
com.mindbodyonline.connect.sca.SCAAuthorizationActivity	Schemes: x-mindbodyconnect-sca://, Hosts: payment,
com.stripe.android.link.LinkRedirectHandlerActivity	Schemes: link-popup://, Hosts: complete, Paths: /com.mindbodyonline.connect,
com.stripe.android.payments.StripeBrowserProxyReturnActivity	Schemes: stripesdk://, Hosts: payment_return_url, Paths: /com.mindbodyonline.connect,

## **△** NETWORK SECURITY

NO SCOPE SEVERITY DESCRIPTION	
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## **CERTIFICATE ANALYSIS**

#### HIGH: 0 | WARNING: 1 | INFO: 1

TITLE	SEVERITY	DESCRIPTION
Signed Application	info	Application is signed with a code signing certificate
Application vulnerable to Janus Vulnerability	warning	Application is signed with v1 signature scheme, making it vulnerable to Janus vulnerability on Android 5.0-8.0, if signed only with v1 signature scheme. Applications running on Android 5.0-7.0 signed with v1, and v2/v3 scheme is also vulnerable.

# **Q** MANIFEST ANALYSIS

HIGH: 1 | WARNING: 23 | INFO: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	DESCRIPTION
1	App can be installed on a vulnerable unpatched Android version Android 6.0-6.0.1, [minSdk=23]		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	Content Provider (com.facebook.FacebookContentProvider) 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.
3	Broadcast Receiver (com.mindbodyonline.connect.services.lnstallReceiver) 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.
4	Activity (com.mindbodyonline.connect.activities.list.services.classes.QualifiedClassesListActivity) 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 (com.mindbodyonline.connect.activities.workflow.PaymentMethodsActivity) 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	Activity (com.mindbodyonline.connect.activities.list.services.SessionListActivity) 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
7	Activity (com.mindbodyonline.connect.activities.workflow.ReviewDialogActivity) is not Protected. [android:exported=true]		An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
8	Activity (com.mindbodyonline.connect.activities.workflow.SignInDialogActivity) 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.
9	Activity (com.mindbodyonline.connect.activities.SettingsActivity) 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.
10	Activity (com.mindbodyonline.connect.activities.workflow.FitbitAccessTokenActivity) 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.
11	Activity (com.mindbodyonline.connect.activities.list.SupportActivity) 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.
12	Activity (com.mindbodyonline.connect.activities.workflow.StravaAccessTokenActivity) 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.
13	Activity (sdk.pendo.io.activities.PendoGateActivity) 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.
14	Activity (com.mindbodyonline.connect.sca.SCAAuthorizationActivity) 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
15	Activity (com.stripe.android.link.LinkRedirectHandlerActivity) is not Protected. [android:exported=true]		An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
16	Activity (com.stripe.android.payments.StripeBrowserProxyReturnActivity) 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.
17	Service (com.google.android.gms.auth.api.signin.RevocationBoundService) is Protected by a permission, but the protection level of the permission should be checked.  Permission: com.google.android.gms.auth.api.signin.permission.REVOCATION_NOTIFICATION [android:exported=true]		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.
18	TaskAffinity is set for activity (com.braze.push.NotificationTrampolineActivity)	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
19	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.
20	Service (androidx.work.impl.background.systemjob.SystemJobService) is Protected by a permission, but the protection level of the permission should be checked.  Permission: android.permission.BIND_JOB_SERVICE [android:exported=true]		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
21	Broadcast Receiver (androidx.work.impl.diagnostics.DiagnosticsReceiver) 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.
22	Broadcast Receiver (com.facebook.CampaignTrackingReceiver) is Protected by a permission, but the protection level of the permission should be checked.  Permission: android.permission.INSTALL_PACKAGES  [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.
23	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
24	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: 0 | WARNING: 4 | INFO: 2 | SECURE: 0 | SUPPRESSED: 0

NO	ISSUE	SEVERITY	STANDARDS	FILES
				bolts/MeasurementEvent.java coil/memory/MemoryCache.java com/braze/Constants.java com/braze/Constants.java com/mindbodyonline/android/api/identity/m odel/LoginProvider.java com/mindbodyonline/android/api/sales/mod el/payments/PaymentMethod.java com/mindbodyonline/android/api/sales/mod el/pos/cart/Metadata.java com/mindbodyonline/android/api/sales/mod el/pos/catalog/CatalogItem.java com/mindbodyonline/android/api/sales/mod el/pos/deals/Deal.java com/mindbodyonline/android/api/sales/mod el/pos/deals/SearchItem.java

NO	ISSUE	SEVERITY	STANDARDS	ms/MBSalesAccessParams.java com/mindbodyonline/android/api/subscriber
NO	ISSUE	SEVERITY	STANDARDS	rom/mindbodyonline/android/api/subscriber /params/MBSubscriberAccessParams.java com/mindbodyonline/android/auth/okhttp/d omain/model/Credentials.java com/mindbodyonline/connect/BuildConfig.ja va com/mindbodyonline/connect/adapters/filter s/ExchangeBusinessFilter.java com/mindbodyonline/connect/adapters/filter s/OnlineBookingBusinessFilter.java com/mindbodyonline/connect/stripe/StripeP aymentData.java com/mindbodyonline/connect/utils/Analytics EventConstantsKt.java com/mindbodyonline/connect/utils/Constant s.java com/mindbodyonline/connect/utils/api/gate way/serialization/GatewayResourceType.java com/mindbodyonline/data/services/OAuth2P arams.java com/mindbodyonline/data/services/SalesAcc essParams.java com/mindbodyonline/framework/abvariant/ ABExperimentKeysKt.java com/mindbodyonline/framework/abvariant/ ABFeatureVariableKeysKt.java com/mindbodyonline/framework/abvariant/ FeatureFlagData.java com/mindbodyonline/ui/screen/booking/mo del/MarketingUiState.java com/mindbodyonline/views/compose/Confir mationMarketingViewState.java
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	com/newrelic/agent/android/util/Constants.ja va com/nimbusds/jose/HeaderParameterNames .java com/nimbusds/jose/jwk/JWKParameterName s.java com/optimizely/ab/android/sdk/OptimizelyD efaultAttributes.java

NO ISSUE SEVERITY STANDARDS	com/optimizely/ab/bucketing/UserProfileSer 好性疑幻 com/optimizely/ab/config/Attribute.java
	com/optimizely/ab/config/EventType.java com/optimizely/ab/config/EventType.java com/optimizely/ab/config/FeatureFlag.java com/optimizely/ab/config/FeatureVariable.ja va com/optimizely/ab/config/Variation.java com/optimizely/ab/event/internal/Conversio nEvent.java com/optimizely/ab/event/internal/Impressio nEvent.java com/optimizely/ab/event/internal/Impressio nEvent.java com/optimizely/ab/event/internal/payload/D ecisionMetadata.java com/optimizely/ab/notification/TrackNotificat ion.java com/optimizely/ab/notification/TrackNotificat ion.java com/stripe/android/EphemeralKey.java com/stripe/android/core/injection/InjectorKt.j ava com/stripe/android/core/injection/NamedCo nstantsKt.java com/stripe/android/core/networking/Analytic sFields.java com/stripe/android/core/networking/Networ kConstantsKt.java com/stripe/android/core/networking/SendAn alyticsRequestV2WorkerKt.java com/stripe/android/customersheet/Customer SheetContractKt.java com/stripe/android/model/ConfirmStripeInte ntParams.java com/stripe/android/model/FinancialConnecti onsSession.java com/stripe/android/model/RadarSessionWith HCaptcha.java com/stripe/android/payments/bankaccount/ ui/CollectBankAccountViewEffect.java com/stripe/android/stripe3ds2/observability/ DefaultSentryConfig.java

NO	ISSUE	SEVERITY	STANDARDS	csData.java FILES com/stripe/android/stripe3ds2/transaction/A
				uthenticationRequestParameters.java com/stripe/android/stripe3ds2/transaction/lr tentData.java com/tealium/core/persistence/SqlDataLayer.java defpackage/CoreConstant.java io/opencensus/metrics/AutoValue_LabelKey.java io/opencensus/trace/AutoValue_Tracestate_Entry.java
				bolts/MeasurementEvent.java com/airbnb/lottie/utils/LogcatLogger.java com/caverock/androidsvg/SVGParser.java com/caverock/androidsvg/SimpleAssetResolv er.java com/crystal/crystalrangeseekbar/widgets/Cry stalRangeSeekbar.java com/crystal/crystalrangeseekbar/widgets/Cry stalSeekbar.java com/db/chart/view/ChartView.java com/j256/ormlite/android/AndroidLog.java com/j256/ormlite/logger/LocalLog.java com/jakewharton/disklrucache/DiskLruCache .java com/mindbodyonline/android/api/sales/mod el/payments/PaymentMethod.java com/mindbodyonline/android/api/sales/mod el/search/SearchModel.java com/mindbodyonline/android/util/LocaleUtil. java com/mindbodyonline/android/util/SafeGson. java com/mindbodyonline/android/util/SafeGson. java com/mindbodyonline/android/util/log/MBLo g.java com/mindbodyonline/android/util/log/MBLo g.java com/mindbodyonline/android/views/Bitmap

NO	ISSUE	SEVERITY	STANDARDS	Util.java
2	The App logs information. Sensitive information should never be logged.	info	CWE: CWE-532: Insertion of Sensitive Information into Log File OWASP MASVS: MSTG-STORAGE-3	com/mindbodyonline/connect/services/Instal IReceiver.java com/mindbodyonline/connect/utils/FileUtilsK tKt.java com/mindbodyonline/connect/utils/ImageUti Is.java com/mindbodyonline/connect/utils/analytics /FallbackAnalyticsTrackerImpl.java com/mindbodyonline/connect/utils/api/fitnes sactivity/fitbit/model/FitbitIntradayDataset.ja va com/mindbodyonline/connect/utils/api/gate way/model/UserPassesAttributes.java com/mindbodyonline/data/CityDb.java com/mindbodyonline/data/services/http/Bac kOffPolicy.java com/mindbodyonline/data/sqlcontracts/KeyC itiesJsonDBHelper.java com/mindbodyonline/domain/MobileAppVer sion.java com/mindbodyonline/domain/ReviewRespon se.java com/mindbodyonline/domain/TimeRange.jav a com/mindbodyonline/lumber/console/ErrorL og.java com/mindbodyonline/views/FbFriendListRow View.java com/mixpanel/android/mpmetrics/Configura tionChecker.java com/mixpanel/android/mpmetrics/Persistent Identity.java com/mixpanel/android/mpmetrics/Resource Reader.java com/mixpanel/android/mpmetrics/Resource Reader.java com/mixpanel/android/mpmetrics/SessionM etadata.java

NO	ISSUE	SEVERITY	STANDARDS	com/mixpanel/android/mpmetrics/SystemInf <b>GH: GS</b> on.java  com/mixpanel/android/util/HttpService.java
				com/mixpanel/android/util/MPLog.java com/newrelic/agent/android/instrumentation /io/CountingInputStream.java com/newrelic/agent/android/logging/Android AgentLog.java com/newrelic/agent/android/logging/Console AgentLog.java com/newrelic/agent/android/logging/Logger.j ava com/newrelic/agent/android/rum/AppApplica tionLifeCycle.java com/newrelic/agent/android/util/AgentBuild OptionsReporter.java com/optimizely/ab/android/sdk/OptimizelyLi teLogger.java com/rokt/roktsdk/internal/util/Logger.java com/stripe/android/core/Logger.java com/stripe/android/core/storage/SharedPref erencesStorage.java com/stripe/android/core/utils/PluginDetector .java com/stripe/android/stripe3ds2/transaction/L ogger.java com/stripe/hcaptcha/webview/HCaptchaWeb View.java com/theartofdev/edmodo/cropper/CropOver layView.java io/branch/referral/BranchJsonConfig.java io/branch/referral/BranchLogger.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	org/sif4J/helpers/Util.java bo/app/r20.java com/newrelic/agent/android/util/Util.java io/opencensus/trace/Spanld.java io/opencensus/trace/Traceld.java
4	IP Address disclosure	warning	CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2	com/nimbusds/jose/jwk/Curve.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
5	App can write to App Directory. Sensitive Information should be encrypted.	info	CWE: CWE-276: Incorrect Default Permissions OWASP MASVS: MSTG-STORAGE-14	bo/app/mq.java com/skydoves/balloon/BalloonPersistence.ja va
6	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	com/j256/ormlite/android/compat/ApiComp atibility.java com/j256/ormlite/android/compat/BasicApiC ompatibility.java com/j256/ormlite/android/compat/JellyBean ApiCompatibility.java com/newrelic/agent/android/instrumentation /SQLiteInstrumentation.java com/optimizely/ab/android/event_handler/E ventSQLiteOpenHelper.java

# ■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION

# BEHAVIOUR ANALYSIS

RULE ID	BEHAVIOUR	LABEL	FILES
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RULE ID	BEHAVIOUR	LABEL	FILES
00013	Read file and put it into a stream	file	bo/app/pa0.java bo/app/sq.java com/airbnb/lottie/network/NetworkCache.java com/jakewharton/disklrucache/DiskLruCache.java com/mindbodyonline/android/util/api/request/multipart/MultipartFormRequestBody.j ava com/nimbusds/jose/util/IOUtils.java com/optimizely/ab/android/shared/Cache.java
00022	Open a file from given absolute path of the file	file	bo/app/ea.java bo/app/fa.java bo/app/ko.java bo/app/rb0.java bo/app/ug0.java bo/app/xc.java com/airbnb/lottie/network/NetworkCache.java com/braze/d0.java com/newrelic/agent/android/util/OfflineStorage.java
00089	Connect to a URL and receive input stream from the server	command network	com/mixpanel/android/util/HttpService.java com/optimizely/ab/android/shared/Client.java
00028	Read file from assets directory	file	com/caverock/androidsvg/SimpleAssetResolver.java
00096	Connect to a URL and set request method	command network	com/mixpanel/android/util/HttpService.java
00109	Connect to a URL and get the response code	network command	com/mixpanel/android/util/HttpService.java com/optimizely/ab/android/datafile_handler/DatafileClient.java com/stripe/android/payments/core/authentication/RealRedirectResolver.java
00094	Connect to a URL and read data from it	command network	com/mixpanel/android/util/HttpService.java

RULE ID	BEHAVIOUR	LABEL	FILES
00108	Read the input stream from given URL	network command	com/mixpanel/android/util/HttpService.java com/newrelic/agent/android/payload/PayloadSender.java
00063	Implicit intent(view a web page, make a phone call, etc.)	control	bolts/AppLinks.java bolts/MeasurementEvent.java
00036	Get resource file from res/raw directory	reflection	bolts/MeasurementEvent.java
00078	Get the network operator name	collection telephony	com/mixpanel/android/mpmetrics/SystemInformation.java com/newrelic/agent/android/util/Connectivity.java
00030	Connect to the remote server through the given URL	network	com/optimizely/ab/android/datafile_handler/DatafileClient.java
00162	Create InetSocketAddress object and connecting to it	socket	com/newrelic/agent/android/util/Reachability.java
00163	Create new Socket and connecting to it	socket	com/newrelic/agent/android/util/Reachability.java

# FIREBASE DATABASES ANALYSIS

TITLE	SEVERITY	DESCRIPTION
App talks to a Firebase database	info	The app talks to Firebase database at https://pure-genius-344.firebaseio.com

TITLE	SEVERITY	DESCRIPTION
Firebase Remote Config enabled	warning	The Firebase Remote Config at https://firebaseremoteconfig.googleapis.com/v1/projects/367590269067/namespaces/firebase:fetch? key=AlzaSyAluLwMd_hs9hSj4ckiSZ7tySRdih5Dmll is enabled. Ensure that the configurations are not sensitive. This is indicated by the response: {'entries': {'auto_complete_debounce_time_variable_key': '350', 'auto_complete_min_char_variable_key': '1', 'auto_suggest_sort_variable_value': '-score,distance', 'consumer_agreement_url_key': 'https://co.mindbodyonline.com/legal/consumer-agreement', 'privacy_preferences_url_key': 'https://co.mindbodyonline.com/legal/privacy-policy', 'rokt_tag_id': '2962520505079567949'}, 'state': 'UPDATE', 'templateVersion': '15'}

### **\*: ::** ABUSED PERMISSIONS

TYPE	MATCHES	PERMISSIONS
Malware Permissions	9/25	android.permission.INTERNET, android.permission.ACCESS_FINE_LOCATION, android.permission.ACCESS_NETWORK_STATE, android.permission.VIBRATE, android.permission.WRITE_EXTERNAL_STORAGE, android.permission.READ_EXTERNAL_STORAGE, android.permission.RECEIVE_BOOT_COMPLETED, android.permission.ACCESS_WIFI_STATE, android.permission.WAKE_LOCK
Other Common Permissions	6/44	com.google.android.gms.permission.AD_ID, android.permission.READ_CALENDAR, android.permission.ACTIVITY_RECOGNITION, com.google.android.c2dm.permission.RECEIVE, com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE, android.permission.FOREGROUND_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
pure-genius-344.firebaseio.com	ok	IP: 34.120.160.131 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
mobile-api.rokt.com	ok	IP: 23.210.216.95 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 View: Google Map
company.mindbodyonline.com	ok	IP: 104.19.233.104 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
mobile-api-demo.rokt.com	ok	IP: 54.201.202.254 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
signin.mindbodyonline.com	ok	IP: 104.19.233.104 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
play.google.com	ok	IP: 142.250.188.238 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
mobile-api.stage.rokt.com	ok	IP: 23.210.216.97 Country: United States of America Region: Washington City: Seattle Latitude: 47.606209 Longitude: -122.332069 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
github.com	ok	IP: 140.82.112.3  Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
www.mindbodyapis.com	ok	IP: 104.16.64.230  Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
mindbody.io	ok	IP: 18.238.96.16 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
api.fitbit.com	ok	IP: 142.250.188.234 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
dev.lymberapi.com	ok	No Geolocation information available.
js.hcaptcha.com	ok	IP: 104.19.229.21 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
www.braze.com	ok	IP: 104.17.228.60 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
dpapi.mindbodyonline.com	ok	IP: 104.19.234.104 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
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
www.strava.com	ok	IP: 18.155.173.7  Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
co.mindbodyonline.com	ok	IP: 104.19.234.104  Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
bit.ly	ok	IP: 67.199.248.11 Country: United States of America Region: New York City: New York City Latitude: 40.739288 Longitude: -73.984955 View: Google Map
support.mindbodyonline.com	ok	IP: 34.211.108.47 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
classpass.com	ok	IP: 172.64.148.102 Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map
signin-sandbox.staging.arcusplatform.io	ok	IP: 104.18.40.223 Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map

DOMAIN	STATUS	GEOLOCATION
cdn.optimizely.com	ok	IP: 104.18.66.57  Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
www.staging.arcusplatform.io	ok	IP: 172.64.147.33  Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map
maps.google.com	ok	IP: 172.217.12.142 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.mindbodyonline.com	ok	IP: 104.18.37.240 Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map

DOMAIN	STATUS	GEOLOCATION
mndbdy.ly	ok	IP: 18.155.173.94  Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
stripe.com	ok	IP: 54.189.200.54 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
xmlpull.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
support.mindbody.io	ok	IP: 34.211.108.45 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.fitbit.com	ok	IP: 35.244.211.136 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map
account.mindbodyonline.com	ok	IP: 104.19.233.104 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
help.mindbody.io	ok	IP: 104.16.224.74  Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map



EMAIL	FILE
support@stripe.com app@mindbodyonline.com flexsupport@mindbodyonline.com recommend@mindbodyonline.com	Android String Resource

# **A** TRACKERS

TRACKER	CATEGORIES	URL
Branch	Analytics	https://reports.exodus-privacy.eu.org/trackers/167
Facebook Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/66
Facebook Login	Identification	https://reports.exodus-privacy.eu.org/trackers/67
Facebook Share		https://reports.exodus-privacy.eu.org/trackers/70
Google CrashLytics	Crash reporting	https://reports.exodus-privacy.eu.org/trackers/27
Google Firebase Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/49
MixPanel	Analytics	https://reports.exodus-privacy.eu.org/trackers/118
New Relic	Analytics	https://reports.exodus-privacy.eu.org/trackers/130
OpenTelemetry (OpenCensus, OpenTracing)	Analytics	https://reports.exodus-privacy.eu.org/trackers/412
Optimizely	Analytics	https://reports.exodus-privacy.eu.org/trackers/172

TRACKER	CATEGORIES	URL
Tealium	Analytics	https://reports.exodus-privacy.eu.org/trackers/32

# HARDCODED SECRETS

POSSIBLE SECRETS
"class_pass" : "ClassPass"
"com_braze_api_key" : "ac5508c8-18e7-4239-8438-4eda9c408f39"
"com_braze_firebase_cloud_messaging_sender_id" : "367590269067"
"com_braze_image_is_read_tag_key" : "com_appboy_image_is_read_tag_key"
"com_braze_image_lru_cache_image_url_key" : "com_braze_image_lru_cache_image_url_key"
"com_braze_image_resize_tag_key" : "com_appboy_image_resize_tag_key"
"faux_password":"•••••••
"firebase_database_url" : "https://pure-genius-344.firebaseio.com"
"generic_username" : "User"
"google_api_key" : "AlzaSyAluLwMd_hs9hSj4ckiSZ7tySRdih5Dmll"
"google_crash_reporting_api_key" : "AlzaSyAluLwMd_hs9hSj4ckiSZ7tySRdih5Dmll"

# POSSIBLE SECRETS "mixpanel project token": "8d99d3cb3912a3981289283a8db28928" "mixpanel project token dev": "9fedd2481e37a228e10bbb1887da3a5f" "pass": "pass" "pendo api key": "eyJhbGciOiJSUzl1NilsImtpZCl6lilsInR5cCl6lkpXVCJ9.eyJkYXRhY2VudGVyIjoidXMiLCJrZXkiOiJ4NGNkMWRhNDZiYjdiODhhYzZiM2JkNmMxNjQ4OTU2OTU xZTYyOWRmNjlyNjhkYjkzZGQ2MDNIMDk3M2M4YzM5MDkwMzc1OTVhNTRiMzcyY2ZIMTVjMDM0NjMwZGY1ZDZiNGI3Yjc4YTA0NDMxMTFjNzAzYTEzN2NjNGI2OTJhMDBj MjdmYzE4YWE2MjExNjNhYTljM2VhMzNkODFhNTk4LjE5NmQxNzA3OTcyM2YyNDJlMTU5ZWU2YWM5NWE1Zjc3LmNiYTJjMzZmMDBmOTlzNmQ3YWZkOWZmM2FlOTA1M zlxZDY2ZDl2NTE5N2JkZGl4MTBiNzMzMGY5ZDYxNzA1NDQifQ.mwBTWW8V494yJMRO8r-VaKMA7K4PbrH89Z1yioCb77yKejgFgptucSDcsOlhUV2eBLe4zM-KaXxd8nqOMo4 SsLDagO9bhIDH01Q4KlwLXWLdfNrMoL2HJOL\_URuOZT8dWVzs2lI0HQvxbl5tcRiXNCO3-eug5CeRsCBlcaorat4" "pref\_key\_account": "pref\_key\_account\_link" "pref key distance units": "pref key distance units" "pref\_key\_fitbit": "pref\_key\_fitbit\_link" "pref\_key\_google\_fit": "pref\_key\_google\_fit\_link" "pref\_key\_manage\_family\_accounts": "pref\_key\_manage\_family\_accounts\_link" "pref\_key\_manage\_notifications": "pref\_key\_manage\_notifications" "pref\_key\_marketing\_opt\_in": "pref\_key\_marketing\_opt\_in" "pref\_key\_notification\_phone\_led": "pref\_key\_notification\_phone\_led" "pref\_key\_notification\_sound": "pref\_key\_notification\_sound" "pref\_key\_notification\_vibrate": "pref\_key\_notification\_vibrate"

# POSSIBLE SECRETS "pref\_key\_notifications": "pref\_key\_notifications" "pref\_key\_push\_notifications": "pref\_key\_push\_notifications" "pref\_key\_ratings\_reviews": "pref\_key\_ratings\_reviews" "pref\_key\_strava": "pref\_key\_strava\_link" "pref\_key\_sync\_calendar": "pref\_key\_sync\_calendar" "pref\_key\_user\_calendar": "pref\_key\_user\_calendar" "pref\_key\_wallet": "pref\_key\_wallet\_link" "session\_list\_title": "Passes"

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# > PLAYSTORE INFORMATION

Title: Mindbody: Fitness & Wellness

Score: 4.7958317 Installs: 5,000,000+ Price: 0 Android Version Support: Category: Health & Fitness Play Store URL: com.mindbodyonline.connect

Developer Details: MINDBODY Inc, MINDBODY+Inc, None, https://mindbody.io/mindbody-app, support@mindbodyonline.com,

Release Date: Oct 4, 2013 Privacy Policy: Privacy link

### **Description:**

Mindbody is the world's #1 booking platform for fitness, beauty, and wellness experiences. We encourage people to try new things and find what makes them feel physically, mentally, and spiritually their best. Whether it's a class, salon service, or meditation session, we've got options. With over 40k+ studios around the world, we offer top fitness classes like yoga, Pilates, barre, dance, HIIT, bootcamp, and more. Looking for something along the lines of a massage, hair treatment, or cryotherapy? We've got that too. Plus, you'll find promoted intro offers and last-minute deals—it's all on the app. How it works: • Download the free app, then create a Mindbody account (or log in to your existing account) to get started. • Enter your location at the top of the screen to see local intro offers, price drops, and deals near you. • Looking for something in

particular? Jump to the "SEARCH" icon at the bottom of the window to find businesses near you. From there, you can type in the desired service or browse popular categories. • Need to refine your results? Filter your search by business, class, date, time, distance, or category. You can also sort based on what's recommended, top-rated or closest to you. • Once you select a class or appointment, you can read up on reviews, instructor & service provider bios, and how to get there. You can also choose a business first to learn more about their amenities, schedule, services, location, and pricing. • When you're ready to secure your service, select the "Book" button in the right-hand corner. From there, you will be asked to confirm your payment information. Plug in your info, then hit "BOOK AND BUY" to make it official. Why you'll love it: Variety: You've got local fitness, beauty, salon, spa, and wellness options in the palm of your hand—you decide what works for you. Value: You'll get the best deals to try a new studio or drop-in on a fitness class without committing to a membership. Verified reviews: Know what people are saying about services before you book, with reviews from verified users. \*Flexible Pricing available in the US only \*Continued use of GPS running in the background can dramatically decrease battery life

## **∷** SCAN LOGS

Timestamp	Event	Error
2025-08-31 04:49:19	Generating Hashes	OK
2025-08-31 04:49:20	Extracting APK	OK
2025-08-31 04:49:20	Unzipping	OK
2025-08-31 04:49:20	Parsing APK with androguard	OK
2025-08-31 04:49:21	Extracting APK features using aapt/aapt2	ОК
2025-08-31 04:49:22	Getting Hardcoded Certificates/Keystores	OK

2025-08-31 04:49:25	Parsing AndroidManifest.xml	ОК
2025-08-31 04:49:25	Extracting Manifest Data	ОК
2025-08-31 04:49:25	Manifest Analysis Started	ОК
2025-08-31 04:49:27	Performing Static Analysis on: Mindbody (com.mindbodyonline.connect)	ОК
2025-08-31 04:49:27	Fetching Details from Play Store: com.mindbodyonline.connect	OK
2025-08-31 04:49:27	Checking for Malware Permissions	ОК
2025-08-31 04:49:27	Fetching icon path	ОК
2025-08-31 04:49:27	Library Binary Analysis Started	OK
2025-08-31 04:49:27	Reading Code Signing Certificate	ОК
2025-08-31 04:49:29	Running APKiD 2.1.5	ОК

2025-08-31 04:49:40	Detecting Trackers	ОК
2025-08-31 04:49:50	Decompiling APK to Java with JADX	ОК
2025-08-31 05:11:33	Decompiling with JADX timed out	TimeoutExpired(['/home/mobsf/.MobSF/tools/jadx/jadx-1.5.0/bin/jadx', '-ds', '/home/mobsf/.MobSF/uploads/b0909df02f3392344f9cdc24baa91da5/java_source', '-q', '-r', 'show-bad-code', '/home/mobsf/.MobSF/uploads/b0909df02f3392344f9cdc24baa91da5/b0909df02f3392344f9cdc24baa91da5.apk'], 999.9999812170863)
2025-08-31 05:11:33	Converting DEX to Smali	OK
2025-08-31 05:11:33	Code Analysis Started on - java_source	OK
2025-08-31 05:11:42	Android SBOM Analysis Completed	ОК
2025-08-31 05:11:55	Android SAST Completed	ОК
2025-08-31 05:11:55	Android API Analysis Started	ОК
2025-08-31 05:12:04	Android API Analysis Completed	OK
2025-08-31 05:12:04	Android Permission Mapping Started	ОК

2025-08-31 05:12:11	Android Permission Mapping Completed	ОК
2025-08-31 05:12:12	Android Behaviour Analysis Started	OK
2025-08-31 05:12:23	Android Behaviour Analysis Completed	OK
2025-08-31 05:12:23	Extracting Emails and URLs from Source Code	OK
2025-08-31 05:12:25	Email and URL Extraction Completed	OK
2025-08-31 05:12:25	Extracting String data from APK	OK
2025-08-31 05:12:26	Extracting String data from Code	OK
2025-08-31 05:12:26	Extracting String values and entropies from Code	OK
2025-08-31 05:12:30	Performing Malware check on extracted domains	OK
2025-08-31 05:12:37	Saving to Database	OK

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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