

ANDROID STATIC ANALYSIS REPORT



Firefox (97.2.0)

File Name:	Firefox.apk
Package Name:	org.mozilla.firefox
Scan Date:	Feb. 28, 2022, 4:48 a.m.
App Security Score:	39/100 (HIGH RISK)
Grade:	C
Trackers Detection:	3/421

\$\int_{\text{FINDINGS}}\$ SEVERITY

渝 HIGH	▲ WARNING	i INFO	✓ SECURE
9	19	3	2

FILE INFORMATION

File Name: Firefox.apk

Size: 73.49MB

MD5: a6c080a1e515ac039c818d28b06e8f5d

SHA1: 75c55044783d409eff14ace37829e250880bbb6a

\$\text{SHA256}: b430ac07106cee672852555481bd16eb17a82b1862cdec33e637ba8185256a45

i APP INFORMATION

App Name: Firefox

Package Name: org.mozilla.firefox

Main Activity: org.mozilla.fenix.IntentReceiverActivity

Target SDK: 30 Min SDK: 21 Max SDK:

Android Version Name: 97.2.0

Android Version Code: 2015863827

EE APP COMPONENTS

Activities: 20 Services: 65 Receivers: 12 Providers: 4

Exported Activities: 7
Exported Services: 4
Exported Receivers: 4
Exported Providers: 0

CERTIFICATE INFORMATION

APK is signed

v1 signature: True v2 signature: True v3 signature: False

Found 1 unique certificates

Subject: C=US, ST=California, L=Mountain View, O=Mozilla Corporation, OU=Release Engineering, CN=Release Engineering

Signature Algorithm: rsassa_pkcs1v15 Valid From: 2010-08-23 23:00:24+00:00 Valid To: 2038-01-08 23:00:24+00:00

Issuer: C=US, ST=California, L=Mountain View, O=Mozilla Corporation, OU=Release Engineering, CN=Release Engineering

Serial Number: 0x4c72fd88 Hash Algorithm: sha1

md5: b1e1bcee2733025ece9456e419a814a3 sha1: 920f4876a6a57b4a6a2f4ccaf65f7d29ce26ff2c

sha256: a78b62a5165b4494b2fead9e76a280d22d937fee6251aece599446b2ea319b04

sha512: da009eea947f00efd0d95bbc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b611a5e276955abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b611a5e276955abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b611a5e276955abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b611a5e276955abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b611a5e276955abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b611a5e276955abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b611a5e276955abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b611a5e276955abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b611a5e27695b616abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75893df46e54bf1fe074e35700e3b616abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181c8ac9b753fc1b84f3f75894bf1fe074e35700e3b616abc21ea7ee00b2228d9d41d0c6ed056831cefea6b5efc181cefea6bf0efc181cefea6bf

PublicKey Algorithm: rsa

Bit Size: 2048

Fingerprint: 71 a 4 a d 683 a a d 88 a a ca 0 b f 2 c d 3 a 11 e 5 c 11 472 4283 b b e 314 f e a d ce 0 250 20 f d 5 b 11 e 5 c 11 e 6 c

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.
Certificate algorithm might be vulnerable to hash collision	high	Application is signed with SHA1withRSA. SHA1 hash algorithm is known to have collision issues.

E APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.INTERNET	normal	full Internet access	Allows an application to create network sockets.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.READ_EXTERNAL_STORAGE	dangerous	read external storage contents	Allows an application to read from external storage.
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete external storage contents	Allows an application to write to external storage.

PERMISSION	STATUS	INFO	DESCRIPTION
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.
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.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.
android.permission.RECORD_AUDIO	dangerous	record audio	Allows application to access the audio record path.
com.android.launcher.permission.lNSTALL_SHORTCUT	unknown	Unknown permission	Unknown permission from android reference
android.permission.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
android.permission.USE_BIOMETRIC	normal		Allows an app to use device supported biometric modalities.
android.permission.QUERY_ALL_PACKAGES	normal		Allows query of any normal app on the device, regardless of manifest declarations.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.FOREGROUND_SERVICE	normal		Allows a regular application to use Service.startForeground.
android.permission.DOWNLOAD_WITHOUT_NOTIFICATION	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.MODIFY_AUDIO_SETTINGS	normal	change your audio settings	Allows application to modify global audio settings, such as volume and routing.
android.permission.USE_FINGERPRINT	normal	allow use of fingerprint	This constant was deprecated in API level 28. Applications should request USE_BIOMETRIC instead.
com.google.android.c2dm.permission.RECEIVE	signature	C2DM permissions	Permission for cloud to device messaging.
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.
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	unknown	Unknown permission	Unknown permission from android reference



FILE	DETAILS		
	FINDINGS	DETAILS	
classes.dex	Anti-VM Code Compiler	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.BOARD check Build.TAGS check	
	Сотрист	To Wallout Harker (Suspicious)	
	FINDINGS	DETAILS	
classes2.dex	Anti-VM Code	Build.FINGERPRINT check Build.MANUFACTURER check Build.BOARD check	
	Compiler	r8 without marker (suspicious)	

BROWSABLE ACTIVITIES

ACTIVITY	INTENT
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ACTIVITY	INTENT
org.mozilla.fenix.HomeActivity	Schemes: fenix://, Hosts: enable_private_browsing, home, home_collections, install_search_widget, make_default_browser, open, settings, settings_accessibility, settings_addon_manager, settings_delete_browsing_data, settings_logins, settings_notifications, settings_privacy, settings_search_engine, settings_tracking_protection, turn_on_sync, urls_bookmarks, urls_history,
org.mozilla.fenix.IntentReceiverActivity	Schemes: http://, https://, Mime Types: text/html, text/plain, application/xhtml+xml,

△ NETWORK SECURITY

	NO	SCOPE	SEVERITY	DESCRIPTION
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Q MANIFEST ANALYSIS

NO	ISSUE	SEVERITY	DESCRIPTION
1	Clear text traffic is Enabled For App [android:usesCleartextTraffic=true]	high	The app intends to use cleartext network traffic, such as cleartext HTTP, FTP stacks, DownloadManager, and MediaPlayer. The default value for apps that target API level 27 or lower is "true". Apps that target API level 28 or higher default to "false". The key reason for avoiding cleartext traffic is the lack of confidentiality, authenticity, and protections against tampering; a network attacker can eavesdrop on transmitted data and also modify it without being detected.

NO	ISSUE	SEVERITY	DESCRIPTION
2	Activity-Alias (org.mozilla.firefox.App) is not Protected. An intent-filter exists.	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. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
3	Activity (org.mozilla.fenix.HomeActivity) is not Protected. An intent-filter exists.	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. The presence of intent-filter indicates that the Activity is explicitly exported.
4	Activity-Alias (org.mozilla.gecko.BrowserApp) is not Protected. [android:exported=true]	high	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.
5	Activity-Alias (org.mozilla.gecko.LauncherActivity) is not Protected. An intent-filter exists.	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. The presence of intent-filter indicates that the Activity-Alias is explicitly exported.
6	Service (org.mozilla.fenix.autofill.AutofillService) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.BIND_AUTOFILL_SERVICE [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. 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.
7	Service (org.mozilla.fenix.customtabs.CustomTabsService) is not Protected. [android:exported=true]	high	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
8	Broadcast Receiver (org.mozilla.gecko.search.SearchWidgetProvider) is not Protected. An intent-filter exists.	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. The presence of intent-filter indicates that the Broadcast Receiver is explicitly exported.
9	Activity (mozilla.components.feature.pwa.WebAppLauncherActivity) is not Protected. [android:exported=true]	high	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 (androidx.compose.ui.tooling.PreviewActivity) is not Protected. [android:exported=true]	high	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 (mozilla.telemetry.glean.debug.GleanDebugActivity) is not Protected. [android:exported=true]	high	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	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.

NO	ISSUE	SEVERITY	DESCRIPTION
13	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]	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.
14	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.
15	Service (com.google.android.play.core.assetpacks.AssetPackExtractionService) is not Protected. [android:exported=true]	high	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
16	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

NO	ISSUE	SEVERITY	STANDARDS	FILES
1	App can read/write to External Storage. Any App can read data written to External Storage.	warning	CWE: CWE-276: Incorrect Default Permissions OWASP Top 10: M2: Insecure Data Storage OWASP MASVS: MSTG-STORAGE-2	mozilla/components/support/utils/DownloadUtils.j ava io/sentry/android/event/helper/AndroidEventBuild erHelper.java org/mozilla/gecko/mozglue/GeckoLoader.java mozilla/components/browser/state/state/content/ DownloadState.java org/mozilla/gecko/GeckoThread.java mozilla/components/feature/downloads/AbstractF etchDownloadService.java
				org/mozilla/gecko/TelemetryUtils.java io/sentry/android/event/helper/AndroidEventBuild erHelper.java org/mozilla/gecko/media/MediaDrmProxy.java mozilla/telemetry/glean/net/PingRequest.java com/sun/jna/Native.java org/mozilla/geckoview/GeckoRuntime.java org/mozilla/gecko/util/HardwareCodecCapabilityUt ils.java org/mozilla/gecko/Clipboard.java org/mozilla/gecko/media/GeckoHlsVideoRenderer. java org/mozilla/gecko/process/GeckoProcessManager.j ava mozilla/appservices/support/p000native/HelpersKt .java org/mozilla/gecko/media/CodecProxy.java org/mozilla/gecko/media/CodecProxy.java org/mozilla/gecko/mozglue/GeckoLoader.java org/mozilla/gecko/GeckoNetworkManager.java org/mozilla/gecko/FeckoNetworkManager.java

NO	ISSUE	SEVERITY	STANDARDS	org/mozilla/fenix/settings/TextPercentageSeekBarP FdfeleSce.java mozilla/telemetry/glean/net/HttpURLConnectionU
				org/mozilla/gecko/media/MediaManager.java org/mozilla/gecko/media/GeckoHLSDemuxerWrap per.java com/adjust/sdk/Logger.java org/mozilla/geckoview/StorageController.java mozilla/telemetry/glean/scheduler/MetricsPingSch eduler.java org/mozilla/gecko/GeckoEditableChild.java org/mozilla/geckoview/BasicSelectionActionDelega te.java mozilla/telemetry/glean/Dispatchers.java org/mozilla/geckoview/GeckoView.java org/mozilla/geckoview/GeckoView.java org/mozilla/geckoview/Image.java org/mozilla/geckoview/GeckoRuntimeSettings.java org/mozilla/gecko/gfx/SurfaceAllocator.java org/mozilla/gecko/gfx/SurfaceAllocator.java org/webrtc/videoengine/VideoCaptureAndroid.java mozilla/appservices/rustlog/RawLogCallbackImpl.ja va mozilla/components/feature/customtabs/AbstractC ustomTabsService\$validateRelationship\$1.java mozilla/components/feature/autofill/structure/Par sedStructureKt.java org/mozilla/geckoview/WebAuthnTokenManager.ja va org/mozilla/gecko/media/GeckoHLSResourceWrap
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	per.java org/mozilla/gecko/SpeechSynthesisService.java org/mozilla/geckoview/PromptController.java org/mozilla/geckoview/WebPushController\$\$Exter nalSyntheticLambda1.java org/mozilla/geckoview/WebExtensionController.jav a org/mozilla/gecko/util/ThreadUtils.java org/mozilla/gecko/media/JellyBeanAsyncCodec.jav a

NO	ISSUE	SEVERITY	STANDARDS	mozilla/telemetry/glean/GleanInternalAPI.java Fig/ES zilla/gecko/media/GeckoHlsRendererBase.j ava
				org/mozilla/gecko/EventDispatcher.java
				org/mozilla/gecko/media/GeckoHlsAudioRenderer.
				java
				org/mozilla/gecko/mozglue/SharedMemory.java
				mozilla/components/lib/crash/handler/ExceptionH
				andler.java
				mozilla/components/lib/crash/CrashReporter.java
				mozilla/components/support/base/log/Log.java
				mozilla/telemetry/glean/rust/LibGleanFFIKt.java
				org/mozilla/fenix/FenixApplication.java
				org/mozilla/gecko/media/Codec.java
				org/mozilla/gecko/gfx/GeckoSurfaceTexture.java
				org/mozilla/geckoview/GeckoEditable.java
				org/mozilla/gecko/process/GeckoServiceChildProc ess.java
				org/mozilla/gecko/GeckoJavaSampler.java
				org/mozilla/geckoview/WebExtension.java
				org/mozilla/geckoview/GeckoFontScaleListener.jav
				а
				org/mozilla/gecko/media/GeckoMediaDrmBridgeV
				21.java
				io/sentry/android/AndroidSentryClientFactory.java
				org/mozilla/gecko/media/RemoteMediaDrmBridge .java
				org/mozilla/gecko/media/RemoteMediaDrmBridge
				Stub.java
				org/mozilla/gecko/GeckoAppShell.java
				org/mozilla/geckoview/SessionTextInput.java
				mozilla/appservices/fxaclient/PersistedFirefoxAcco
				unt.java
				org/mozilla/geckoview/PanZoomController.java
				org/mozilla/gecko/GeckoBatteryManager.java
				org/mozilla/geckoview/MediaSession.java
				org/mozilla/geckoview/GeckoSession.java
				org/mozilla/gecko/CrashHandler.java
				mozilla/components/lib/crash/CrashReporter\$sub mitReport\$2.java
				IIII.Report\$2.java

NO	ISSUE	SEVERITY	STANDARDS	org/mozilla/geckoview/GeckoInputConnection.java Filg/ES zilla/gecko/media/RemoteManager.java org/slf4j/helpers/Util.java
				org/mozilla/gecko/GeckoThread.java org/mozilla/gecko/media/GeckoPlayerFactory.java org/mozilla/fenix/components/metrics/AdjustMetri csService.java org/mozilla/gecko/GeckoScreenOrientation.java org/mozilla/fenix/crashes/CrashReporterController .java mozilla/telemetry/glean/debug/GleanDebugActivity
3	This App may have root detection capabilities.	secure	OWASP MASVS: MSTG-RESILIENCE-1	.java io/sentry/android/event/helper/AndroidEventBuild org/mozilla/geckoview/CrashReporter.java erHelper.java
4	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	com/adjust/sdk/Util.java io/sentry/connection/RandomEventSampler.java
5	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	com/sun/jna/Native.java mozilla/components/feature/prompts/file/MimeTy pe.java
6	This App copies data to clipboard. Sensitive data should not be copied to clipboard as other applications can access it.	info	OWASP MASVS: MSTG-STORAGE-10	org/mozilla/gecko/Clipboard.java org/mozilla/fenix/browser/BrowserFragment.java mozilla/components/feature/contextmenu/Context MenuCandidate\$Companion\$createCopyImageLoc ationCandidate\$2.java org/mozilla/fenix/library/bookmarks/DefaultBook markController.java mozilla/components/feature/contextmenu/Context MenuCandidate\$Companion\$createCopyLinkCandi date\$2.java mozilla/components/feature/pwa/feature/SiteCont rolsBuilder.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
7	App can write to App Directory. Sensitive Information should be encrypted.	info	CWE: CWE-276: Incorrect Default Permissions OWASP MASVS: MSTG-STORAGE-14	mozilla/components/support/base/utils/SharedPre ferencesCache.java mozilla/components/support/locale/LocaleManage r.java mozilla/components/feature/push/AutoPushFeatur e.java mozilla/components/support/migration/FennecSet tingsMigration.java org/mozilla/fenix/settings/advanced/DefaultLocale SettingsController.java org/mozilla/fenix/utils/Settings.java mozilla/components/service/location/MozillaLocati onService\$fetchRegion\$2.java mozilla/components/support/base/ids/SharedIdsH elper.java mozilla/components/service/fxa/manager/FxaAcco untManager.java mozilla/components/feature/addons/update/Defa ultAddonUpdater.java org/mozilla/fenix/widget/VoiceSearchActivity.java mozilla/components/lib/dataprotect/SecurePrefsRe liabilityExperiment.java org/mozilla/fenix/FeatureFlags.java mozilla/components/service/fxa/SharedPrefAccoun tStorage.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
8	Files may contain hardcoded sensitive information like usernames, passwords, keys etc.	warning	CWE: CWE-312: Cleartext Storage of Sensitive Information OWASP Top 10: M9: Reverse Engineering OWASP MASVS: MSTG-STORAGE-14	io/sentry/connection/AbstractConnection.java mozilla/components/feature/accounts/push/Verific ationDelegate.java mozilla/components/support/migration/Migration ResultsStore.java mozilla/components/feature/downloads/AbstractF etchDownloadService.java mozilla/telemetry/glean/debug/GleanDebugActivity .java org/mozilla/geckoview/CrashReporter.java mozilla/components/service/fxa/SyncAuthInfoCach e.java
9	SHA-1 is a weak hash known to have hash collisions.	warning	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	org/mozilla/fenix/components/metrics/MetricsUtil s\$getHashedIdentifier\$2.java mozilla/components/support/migration/FennecLo ginsMigration.java mozilla/components/browser/icons/utils/IconDisk CacheKt.java com/adjust/sdk/AdjustFactory.java
10	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	mozilla/components/support/migration/FennecLo ginsMigration.java org/mozilla/fenix/databinding/ComponentTopSites Binding.java
11	Weak Encryption algorithm used	high	CWE: CWE-327: Use of a Broken or Risky Cryptographic Algorithm OWASP Top 10: M5: Insufficient Cryptography OWASP MASVS: MSTG-CRYPTO-4	mozilla/components/support/migration/FennecLo ginsMigration.java

NO	ISSUE	SEVERITY	STANDARDS	FILES
12	IP Address disclosure	warning	CWE: CWE-200: Information Exposure OWASP MASVS: MSTG-CODE-2	mozilla/components/feature/accounts/FxaWebCha nnelFeature.java
13	This App uses SSL certificate pinning to detect or prevent MITM attacks in secure communication channel.	secure	OWASP MASVS: MSTG-NETWORK-4	com/adjust/sdk/AdjustFactory.java

SHARED LIBRARY BINARY ANALYSIS

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
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NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
1	lib/arm64-v8a/libfreebl3.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['memset_chk', 'memcpy_chk', 'read_chk', 'strlen_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
2	lib/arm64- v8a/libipcclientcerts.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	False high This shared object does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	False warning The shared object does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
3	lib/arm64- v8a/libjnidispatch.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	False high This shared object does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries.	No RELRO high This shared object does not have RELRO enabled. The entire GOT (.got and .got.plt both) are writable. Without this compiler flag, buffer overflows on a global variable can overwrite GOT entries. Use the option - z,relro,- z,now to enable full RELRO and only - z,relro to enable partial RELRO.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	False warning The shared object does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions.	False warning Symbols are available.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
4	lib/arm64-v8a/liblgpllibs.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['memmove_chk', 'memset_chk', 'memcpy_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
5	lib/arm64- v8a/libmegazord.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	False high This shared object does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['FD_ISSET_chk', 'FD_SET_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
6	lib/arm64- v8a/libmozavcodec.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['vsnprintf_chk', 'strlen_chk', 'memcpy_chk', 'memmove_chk', 'strchr_chk', 'strchr_chk', 'memset_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
7	lib/arm64- v8a/libmozavutil.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['strrchr_chk', 'vsnprintf_chk', 'strlen_chk', 'memcpy_chk', 'memmove_chk', 'strchr_chk', 'strchy_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
8	lib/arm64-v8a/libmozglue.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['vsprintf_chk', 'memmove_chk', 'strrchr_chk', 'strrcpy_chk', 'memset_chk', 'memcpy_chk', 'strcpy_chk', 'strcpy_chk', 'strcpy_chk', 'strlcpy_chk', 'strlcpy_chk', 'strlcpy_chk', 'strlcpy_chk', 'strlcpy_chk', 'strlen_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
9	lib/arm64-v8a/libnss3.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['strchr_chk', 'memmove_chk', 'strncpy_chk', 'strrchr_chk', 'strrchr_chk', 'strren_chk', 'strlen_chk', 'strcpy_chk', 'strcpy_chk', 'strcat_chk', 'strcat_chk', 'strcat_chk', 'nead_chk', 'memcpy_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
10	lib/arm64-v8a/libnssckbi.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['memmove_chk', 'memset_chk', 'memcpy_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
11	lib/arm64-v8a/libplugin- container.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	False high This shared object does not have a stack canary value added to the stack. Stack canaries are used to detect and prevent exploits from overwriting return address. Use the option - fstack- protector- all to enable stack canaries.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	False warning The shared object does not have any fortified functions. Fortified functions provides buffer overflow checks against glibc's commons insecure functions like strcpy, gets etc. Use the compiler option - D_FORTIFY_SOURCE=2 to fortify functions.	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
12	lib/arm64-v8a/libsoftokn3.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['vsprintf_chk', 'strrchr_chk', 'memset_chk', 'memcpy_chk', 'strcpy_chk', 'strcat_chk', 'strlen_chk']	True info Symbols are stripped.

NO	SHARED OBJECT	NX	STACK CANARY	RELRO	RPATH	RUNPATH	FORTIFY	SYMBOLS STRIPPED
13	lib/arm64-v8a/libxul.so	True info The shared object has NX bit set. This marks a memory page non- executable making attacker injected shellcode non- executable.	True info This shared object has a stack canary value added to the stack so that it will be overwritten by a stack buffer that overflows the return address. This allows detection of overflows by verifying the integrity of the canary before function return.	Full RELRO info This shared object has full RELRO enabled. RELRO ensures that the GOT cannot be overwritten in vulnerable ELF binaries. In Full RELRO, the entire GOT (.got and .got.plt both) is marked as read-only.	False info The shared object does not have run- time search path or RPATH set.	False info The shared object does not have RUNPATH set.	True info The shared object has the following fortified functions: ['strncpy_chk', 'strrchr_chk', 'memcpy_chk', 'memset_chk', 'strcat_chk', 'umask_chk', 'nemmove_chk', 'read_chk', 'FD_SET_chk', 'FD_ISSET_chk', 'strncat_chk', 'strncat_chk', 'strlcpy_chk', 'strlcat_chk', 'strlcat_chk', '_strlcat_chk', 'strcpy_chk', 'strchr_chk', 'strchr_chk', '_strchr_chk', 'strchr_chk', 'strchr_chk', 'strlen_chk']	True info Symbols are stripped.

■ NIAP ANALYSIS v1.3

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
1	FCS_RBG_EXT.1.1	Security Functional Requirements	Random Bit Generation Services	The application invoke platform-provided DRBG functionality for its cryptographic operations.
2	FCS_STO_EXT.1.1	Security Functional Requirements	Storage of Credentials	The application does not store any credentials to non-volatile memory.
3	FCS_CKM_EXT.1.1	Security Functional Requirements	Cryptographic Key Generation Services	The application generate no asymmetric cryptographic keys.
4	FDP_DEC_EXT.1.1	Security Functional Requirements	Access to Platform Resources	The application has access to ['location', 'camera', 'network connectivity', 'microphone'].
5	FDP_DEC_EXT.1.2	Security Functional Requirements	Access to Platform Resources	The application has access to no sensitive information repositories.
6	FDP_NET_EXT.1.1	Security Functional Requirements	Network Communications	The application has user/application initiated network communications.
7	FDP_DAR_EXT.1.1	Security Functional Requirements	Encryption Of Sensitive Application Data	The application implement functionality to encrypt sensitive data in non-volatile memory.
8	FMT_MEC_EXT.1.1	Security Functional Requirements	Supported Configuration Mechanism	The application invoke the mechanisms recommended by the platform vendor for storing and setting configuration options.
9	FTP_DIT_EXT.1.1	Security Functional Requirements	Protection of Data in Transit	The application does encrypt some transmitted data with HTTPS/TLS/SSH between itself and another trusted IT product.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
10	FCS_RBG_EXT.2.1,FCS_RBG_EXT.2.2	Selection-Based Security Functional Requirements	Random Bit Generation from Application	The application perform all deterministic random bit generation (DRBG) services in accordance with NIST Special Publication 800-90A using Hash_DRBG. The deterministic RBG is seeded by an entropy source that accumulates entropy from a platform-based DRBG and a software-based noise source, with a minimum of 256 bits of entropy at least equal to the greatest security strength (according to NIST SP 800-57) of the keys and hashes that it will generate.
11	FCS_CKM.1.1(3),FCS_CKM.1.2(3)	Selection-Based Security Functional Requirements	Password Conditioning	A password/passphrase shall perform [Password-based Key Derivation Functions] in accordance with a specified cryptographic algorithm
12	FCS_COP.1.1(1)	Selection-Based Security Functional Requirements	Cryptographic Operation - Encryption/Decryption	The application perform encryption/decryption in accordance with a specified cryptographic algorithm AES-CBC (as defined in NIST SP 800-38A) mode or AES-GCM (as defined in NIST SP 800-38D) and cryptographic key sizes 256-bit/128-bit.
13	FCS_COP.1.1(2)	Selection-Based Security Functional Requirements	Cryptographic Operation - Hashing	The application perform cryptographic hashing services in accordance with a specified cryptographic algorithm SHA-1/SHA-256/SHA-384/SHA-512 and message digest sizes 160/256/384/512 bits.
14	FCS_HTTPS_EXT.1.1	Selection-Based Security Functional Requirements	HTTPS Protocol	The application implement the HTTPS protocol that complies with RFC 2818.
15	FCS_HTTPS_EXT.1.2	Selection-Based Security Functional Requirements	HTTPS Protocol	The application implement HTTPS using TLS.
16	FCS_HTTPS_EXT.1.3	Selection-Based Security Functional Requirements	HTTPS Protocol	The application notify the user and not establish the connection or request application authorization to establish the connection if the peer certificate is deemed invalid.

NO	IDENTIFIER	REQUIREMENT	FEATURE	DESCRIPTION
17	FIA_X509_EXT.1.1	Selection-Based Security Functional Requirements	X.509 Certificate Validation	The application invoked platform-provided functionality to validate certificates in accordance with the following rules: ['The certificate path must terminate with a trusted CA certificate'].
18	FIA_X509_EXT.2.1	Selection-Based Security Functional Requirements	X.509 Certificate Authentication	The application use X.509v3 certificates as defined by RFC 5280 to support authentication for HTTPS , TLS.
19	FPT_TUD_EXT.2.1	Selection-Based Security Functional Requirements	Integrity for Installation and Update	The application shall be distributed using the format of the platform-supported package manager.
20	FCS_CKM.1.1(2)	Optional Security Functional Requirements	Cryptographic Symmetric Key Generation	The application shall generate symmetric cryptographic keys using a Random Bit Generator as specified in FCS_RBG_EXT.1 and specified cryptographic key sizes 128 bit or 256 bit.

Q DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION
www.dropbox.com	ok	IP: 162.125.81.18 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map

DOMAIN	STATUS	GEOLOCATION
m.baidu.com	ok	IP: 45.113.192.101 Country: China Region: Beijing City: Beijing Latitude: 39.907501 Longitude: 116.397232 View: Google Map
www.exemple.com	ok	IP: 107.180.40.145 Country: United States of America Region: Arizona City: Scottsdale Latitude: 33.601974 Longitude: -111.887917 View: Google Map
www.bing.com	ok	IP: 204.79.197.200 Country: United States of America Region: Washington City: Redmond Latitude: 47.682899 Longitude: -122.120903 View: Google Map
sentry.prod.mozaws.net	ok	IP: 35.244.212.119 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.gmail.com	ok	IP: 142.250.182.229 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.messenger.com	ok	IP: 157.240.239.17 Country: Netherlands Region: Noord-Holland City: Amsterdam Latitude: 52.374031 Longitude: 4.889690 View: Google Map
developer.mozilla.org	ok	IP: 108.158.251.33 Country: United States of America Region: Washington City: Redmond Latitude: 47.682899 Longitude: -122.120903 View: Google Map
identity.mozilla.com	ok	No Geolocation information available.
www.ejemplo.com	ok	IP: 199.59.240.200 Country: United States of America Region: Florida City: Tampa Latitude: 27.943518 Longitude: -82.510269 View: Google Map

DOMAIN	STATUS	GEOLOCATION
api.accounts.firefox.com	ok	IP: 35.164.166.122 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
bugzilla.mozilla.org	ok	IP: 44.240.235.83 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
tb.j5k6.com	ok	IP: 47.89.250.154 Country: United States of America Region: California City: San Mateo Latitude: 37.547424 Longitude: -122.330589 View: Google Map
hg.mozilla.org	ok	IP: 63.245.208.203 Country: United States of America Region: California City: Sacramento Latitude: 38.640900 Longitude: -121.522797 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.torproject.org	ok	IP: 116.202.120.166 Country: Germany Region: Bayern City: Gunzenhausen Latitude: 48.323330 Longitude: 11.601220 View: Google Map
www.mozilla.org	ok	IP: 13.33.170.40 Country: India Region: Tamil Nadu City: Chennai Latitude: 13.087840 Longitude: 80.278473 View: Google Map
www.eksempel.dk	ok	IP: 193.163.102.58 Country: Sweden Region: Stockholms lan City: Stockholm Latitude: 59.332581 Longitude: 18.064899 View: Google Map
boxwood-axon-825.firebaseio.com	ok	IP: 35.201.97.85 Country: United States of America Region: Missouri City: Kansas City Latitude: 39.099731 Longitude: -94.578568 View: Google Map

DOMAIN	STATUS	GEOLOCATION
aomediacodec.github.io	ok	IP: 185.199.111.153 Country: United States of America Region: Pennsylvania City: California Latitude: 40.065632 Longitude: -79.891708 View: Google Map
www.yahoo.com	ok	IP: 98.137.11.164 Country: United States of America Region: New York City: New York City Latitude: 40.731323 Longitude: -73.990089 View: Google Map
location.services.mozilla.com	ok	IP: 52.40.22.163 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
a9.com	ok	IP: 99.86.134.208 Country: United States of America Region: Oregon City: Hillsboro Latitude: 45.522888 Longitude: -122.989830 View: Google Map
speaktome-2.services.mozilla.com	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
mobile.yangkeduo.com	ok	IP: 119.28.207.108 Country: Hong Kong Region: Hong Kong City: Hong Kong Latitude: 22.285521 Longitude: 114.157692 View: Google Map
www.adibidea.eus	ok	IP: 85.159.210.70 Country: United Kingdom of Great Britain and Northern Ireland Region: England City: London Latitude: 51.508530 Longitude: -0.125740 View: Google Map
support.mozilla.org	ok	IP: 35.160.12.179 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
developers.google.com	ok	IP: 172.217.166.46 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
LOCALE.malware-error.mozilla.com	ok	IP: 44.235.246.155 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
www.slf4j.org	ok	IP: 83.166.144.67 Country: Switzerland Region: Geneve City: Carouge Latitude: 46.180962 Longitude: 6.139210 View: Google Map
firefox-android-home-recommendations.getpocket.com	ok	IP: 18.67.161.70 Country: United States of America Region: Washington City: Seattle Latitude: 47.627499 Longitude: -122.346199 View: Google Map
www.primer.rs	ok	IP: 217.26.215.48 Country: Serbia Region: Beograd City: Belgrade Latitude: 44.804008 Longitude: 20.465130 View: Google Map

DOMAIN	STATUS	GEOLOCATION
sb-ssl.google.com	ok	IP: 142.250.66.14 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.softastur.org	ok	IP: 212.227.168.227 Country: Germany Region: Nordrhein-Westfalen City: Strang Latitude: 51.968700 Longitude: 8.753360 View: Google Map
gdpr.adjust.com	ok	IP: 178.162.219.36 Country: Germany Region: Hessen City: Frankfurt am Main Latitude: 50.115520 Longitude: 8.684170 View: Google Map
www.google.ba	ok	IP: 142.250.67.227 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.google.pl	ok	IP: 142.250.182.195 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.ietf.org	ok	IP: 104.16.44.99 Country: United States of America Region: Texas City: Dallas Latitude: 32.783058 Longitude: -96.806671 View: Google Map
www.webrtc.org	ok	IP: 142.250.182.206 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
firefox.com	ok	IP: 44.236.48.31 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
push.example.com	ok	No Geolocation information available.

DOMAIN	STATUS	GEOLOCATION
www.yeru.com	ok	IP: 52.128.23.153 Country: United States of America Region: California City: Los Angeles Latitude: 34.052986 Longitude: -118.263687 View: Google Map
www.wikipedia.org	ok	IP: 103.102.166.224 Country: United States of America Region: Indiana City: Francisco Latitude: 38.333332 Longitude: -87.447220 View: Google Map
www.test.ru	ok	No Geolocation information available.
www.unicode.org	ok	IP: 66.34.208.12 Country: United States of America Region: Texas City: Dallas Latitude: 32.814899 Longitude: -96.879204 View: Google Map
safebrowsing.googleapis.com	ok	IP: 142.250.183.10 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
union-click.jd.com	ok	IP: 202.77.129.232 Country: Hong Kong Region: Hong Kong City: Hong Kong Latitude: 22.285521 Longitude: 114.157692 View: Google Map
www.google.com	ok	IP: 172.217.166.164 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.googlegroups.com	ok	IP: 74.125.68.139 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
sync.firefox.com.cn	ok	IP: 8.140.173.77 Country: China Region: Zhejiang City: Hangzhou Latitude: 30.293650 Longitude: 120.161423 View: Google Map

DOMAIN	STATUS	GEOLOCATION
mozilla.github.io	ok	IP: 185.199.111.153 Country: United States of America Region: Pennsylvania City: California Latitude: 40.065632 Longitude: -79.891708 View: Google Map
allowlisted.example.com	ok	No Geolocation information available.
play.google.com	ok	IP: 142.250.199.174 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
safebrowsing.google.com	ok	IP: 142.250.207.78 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.g.co	ok	IP: 142.250.67.206 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
firefox.com.cn	ok	IP: 39.102.151.181 Country: China Region: Zhejiang City: Hangzhou Latitude: 30.293650 Longitude: 120.161423 View: Google Map
services.addons.mozilla.org	ok	IP: 216.137.37.91 Country: United States of America Region: California City: San Francisco Latitude: 37.774929 Longitude: -122.419418 View: Google Map
accounts.firefox.com.cn	ok	IP: 39.107.149.229 Country: China Region: Zhejiang City: Hangzhou Latitude: 30.293650 Longitude: 120.161423 View: Google Map
example.com	ok	IP: 93.184.216.34 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map

DOMAIN	STATUS	GEOLOCATION
github.com	ok	IP: 20.205.243.166 Country: United States of America Region: Washington City: Redmond Latitude: 47.682899 Longitude: -122.120903 View: Google Map
crash-reports.mozilla.com	ok	IP: 44.226.251.130 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
www.ibm.com	ok	IP: 104.120.64.151 Country: India Region: Maharashtra City: Mumbai Latitude: 19.014410 Longitude: 72.847939 View: Google Map
api-accounts.firefox.com.cn	ok	IP: 39.107.149.229 Country: China Region: Zhejiang City: Hangzhou Latitude: 30.293650 Longitude: 120.161423 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.googlemail.com	ok	IP: 142.250.182.229 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
crash-stats.mozilla.org	ok	IP: 44.224.79.192 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
getpocket.com	ok	IP: 54.182.0.89 Country: India Region: Maharashtra City: Mumbai Latitude: 19.014410 Longitude: 72.847939 View: Google Map
www.example.com	ok	IP: 93.184.216.34 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.conto.com	ok	IP: 64.190.62.111 Country: Germany Region: Nordrhein-Westfalen City: Koeln Latitude: 50.933331 Longitude: 6.950000 View: Google Map
www.duckduckgo.com	ok	IP: 40.81.94.43 Country: India Region: Maharashtra City: Mumbai Latitude: 19.014410 Longitude: 72.847939 View: Google Map
accounts.firefox.comhttps	ok	No Geolocation information available.
mozilla.cloudflare-dns.com	ok	IP: 104.16.248.249 Country: United States of America Region: California City: San Francisco Latitude: 37.775700 Longitude: -122.395203 View: Google Map
LOCALE.phish-error.mozilla.com	ok	IP: 44.235.246.155 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.twitter.com	ok	IP: 104.244.42.129 Country: United States of America Region: California City: San Francisco Latitude: 37.773968 Longitude: -122.410446 View: Google Map
www.w3.org	ok	IP: 128.30.52.100 Country: United States of America Region: Massachusetts City: Cambridge Latitude: 42.365078 Longitude: -71.104523 View: Google Map
stable.dev.lcip.org	ok	IP: 52.33.234.67 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
www.exemplo.gal	ok	No Geolocation information available.
127.0.0.1	ok	IP: 127.0.0.1 Country: - Region: - City: - Latitude: 0.000000 Longitude: 0.000000 View: Google Map

DOMAIN	STATUS	GEOLOCATION
jumpluna.58.com	ok	IP: 42.187.161.231 Country: China Region: Beijing City: Beijing Latitude: 39.907501 Longitude: 116.397232 View: Google Map
firefox.settings.services.mozilla.com	ok	IP: 108.158.251.105 Country: United States of America Region: Washington City: Redmond Latitude: 47.682899 Longitude: -122.120903 View: Google Map
www.ezenpio.com	ok	No Geolocation information available.
docs.sentry.io	ok	IP: 76.76.21.93 Country: United States of America Region: California City: Walnut Latitude: 34.015400 Longitude: -117.858223 View: Google Map
token.services.mozilla.com	ok	IP: 34.215.41.59 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www.youtube.com	ok	IP: 172.217.160.206 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
accounts.firefox.com	ok	IP: 52.89.35.71 Country: United States of America Region: Oregon City: Portland Latitude: 45.523449 Longitude: -122.676208 View: Google Map
www.esempiu.com	ok	No Geolocation information available.
addons.mozilla.org	ok	IP: 13.33.171.68 Country: India Region: Tamil Nadu City: Chennai Latitude: 13.087840 Longitude: 80.278473 View: Google Map
app.adjust.com	ok	IP: 185.151.204.8 Country: United States of America Region: Arizona City: Phoenix Latitude: 33.448380 Longitude: -112.074043 View: Google Map

DOMAIN	STATUS	GEOLOCATION
accounts.stage.mozaws.net	ok	IP: 52.202.44.222 Country: United States of America Region: Virginia City: Ashburn Latitude: 39.043720 Longitude: -77.487488 View: Google Map
www.facebook.com	ok	IP: 157.240.239.35 Country: Netherlands Region: Noord-Holland City: Amsterdam Latitude: 52.374031 Longitude: 4.889690 View: Google Map

FIREBASE DATABASES

FIREBASE URL	DETAILS
https://boxwood-axon-825.firebaseio.com	info App talks to a Firebase Database.



EMAIL	FILE
fxa@mozac.org	mozilla/components/feature/accounts/FxaWebChannelFeature.java
readerview@mozac.org	mozilla/components/feature/readerview/ReaderViewFeature.java
readerview@mozac.org	mozilla/components/feature/readerview/ReaderViewMiddleware.java
webcompat-reporter@mozilla.org	mozilla/components/feature/webcompat/reporter/WebCompatReporterFeature.java
ublock0@raymondhill.net https-everywhere@eff.org addon@darkreader.org	mozilla/components/support/migration/AddonMigrationKt.java
4deea9aa142be3001fb2@sentry.prod	org/mozilla/fenix/components/Analytics.java
webcompat@mozilla.org icons@mozac.org	org/mozilla/fenix/components/Core.java
webcompat-reporter@mozilla.org	org/mozilla/fenix/components/toolbar/DefaultToolbarMenu.java
this@homefragment.viewlifecy	org/mozilla/fenix/home/HomeFragment.java
igca@sgdn.pm	lib/arm64-v8a/libnss3.so
info@e-szigno.hu info@diginotar.nl ca@trustwave.com	lib/arm64-v8a/libnssckbi.so

EMAIL	FILE
r@mozilla.org webcompat@mozilla.org impl@mozilla.org ilesource_fetch_file@mozilla.org locales.@mozilla.org bundle.rs@mozilla.org loadcrlitestash@mozilla.org 969798990.0cellvalue@mozilla.org	lib/arm64-v8a/libxul.so

A TRACKERS

TRACKER	CATEGORIES	URL
Adjust	Analytics	https://reports.exodus-privacy.eu.org/trackers/52
Google Firebase Analytics	Analytics	https://reports.exodus-privacy.eu.org/trackers/49
Mozilla Telemetry		https://reports.exodus-privacy.eu.org/trackers/221

₽ HARDCODED SECRETS

POSSIBLE SECRETS

"firebase_database_url": "https://boxwood-axon-825.firebaseio.com"

"google_api_key" : "AlzaSyBpkiYO2IDh3wR0u-Xnf1871E5-DGQRv1c"

POSSIBLE SECRETS "google_crash_reporting_api_key": "AlzaSyBpkiYO2lDh3wR0u-Xnf1871E5-DGQRv1c" "library_sessions": "Sessions" "mozac_feature_addons_authors" : "Authors" "mozac_support_base_locale_preference_key_locale": "mozac_support_base_locale_preference_key_locale" "pref_key_about" : "pref_key_about" "pref_key_accessibility": "pref_key_accessibility" "pref_key_accessibility_auto_size": "pref_key_accessibility_auto_size" "pref_key_accessibility_font_scale": "pref_key_accessibility_font_scale" "pref_key_accessibility_force_enable_zoom": "pref_key_accessibility_force_enable_zoom" "pref_key_account": "pref_key_account" "pref_key_account_category": "pref_key_account_category" "pref_key_add_private_browsing_shortcut": "pref_key_add_private_browsing_shortcut" "pref_key_add_search_engine": "pref_key_add_Search_engine" "pref_key_addons": "pref_key_addons" "pref_key_adjust_adgroup": "pref_key_adjust_adgroup"

POSSIBLE SECRETS "pref_key_adjust_campaign" : "pref_key_adjust_campaign" "pref_key_adjust_creative" : "pref_key_adjust_creative" "pref_key_adjust_network": "pref_key_adjust_network" "pref_key_advanced": "pref_key_advanced" "pref_key_allow_domestic_china_fxa_server": "pref_key_allow_domestic_china_fxa_server" "pref_key_allow_screenshots_in_private_mode": "pref_key_allow_screenshots_in_private_mode" "pref_key_allow_third_party_root_certs": "pref_key_allow_third_party_cert_roots" "pref_key_android_autofill": "pref_key_android_autofill" "pref_key_auto_battery_theme" : "pref_key_auto_battery_theme" "pref_key_autofill_logins": "pref_key_autofill_logins" "pref_key_browser_feature_autoplay_audible_v2": "pref_key_browser_feature_autoplay_v2" "pref_key_browser_feature_autoplay_inaudible_v2": "pref_key_browser_feature_autoplay_inaudible_v2" "pref_key_browser_feature_autoplay_v2": "pref_key_browser_feature_autoplay_v2" "pref_key_browser_feature_cross_origin_storage_access": "pref_key_browser_feature_cross_origin_storage_access" "pref_key_browser_feature_media_key_system_access": "pref_key_browser_feature_media_key_system_access"

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POSSIBLE SECRETS
"pref_key_default_browser" : "pref_key_default_browser"
"pref_key_delete_browsing_data" : "pref_key_delete_browsing_data"
"pref_key_delete_browsing_data_on_quit" : "pref_key_delete_browsing_data_on_quit"
"pref_key_delete_browsing_data_on_quit_categories" : "pref_key_delete_browsing_data_on_quit_categories"
"pref_key_delete_browsing_data_on_quit_preference" : "pref_key_delete_browsing_data_on_quit_preference"
"pref_key_delete_browsing_history_now" : "pref_key_delete_browsing_history_now"
"pref_key_delete_browsing_history_on_quit" : "pref_key_delete_browsing_history_on_quit"
"pref_key_delete_caches_now" : "pref_key_delete_caches_now"
"pref_key_delete_caches_on_quit" : "pref_key_delete_caches_on_quit"
"pref_key_delete_cookies_now" : "pref_key_delete_cookies_now"
"pref_key_delete_cookies_on_quit" : "pref_key_delete_cookies_on_quit"
"pref_key_delete_downloads_now" : "pref_key_delete_downloads_now"
"pref_key_delete_downloads_on_quit" : "pref_key_delete_downloads_on_quit"
"pref_key_delete_open_tabs_now" : "pref_key_delete_open_tabs_now"
"pref_key_delete_open_tabs_on_quit" : "pref_key_delete_open_tabs_on_quit"

POSSIBLE SECRETS "pref_key_delete_permissions_now": "pref_key_delete_permissions_now" "pref_key_delete_permissions_on_quit": "pref_key_delete_permissions_on_quit" "pref_key_desktop_bookmarks_size" : "pref_key_desktop_bookmarks_size" "pref_key_dynamic_toolbar": "pref_key_dynamic_toolbar" "pref_key_enable_autocomplete_urls": "pref_key_enable_domain_autocomplete" "pref_key_enable_top_frecent_sites": "pref_key_top_frecent_sites" "pref_key_enabled_addons_count": "pref_key_enabled_addons_count" "pref_key_enabled_addons_list": "pref_key_enabled_addons_list" "pref_key_encryption_key_generated": "pref_key_encryption_key_generated" "pref_key_etp_learn_more": "pref_key_etp_learn_more" "pref_key_exceptions_clear_site_permissions": "pref_key_exceptions_clear_site_permissions" "pref_key_experiment_card_home": "pref_key_experiment_card_home" "pref_key_experimentation": "pref_key_experimentation" "pref_key_external_download_manager": "pref_key_external_download_manager" "pref_key_follow_device_theme": "pref_key_follow_device_theme"

POSSIBLE SECRETS "pref_key_fxa_has_synced_items": "pref_key_fxa_has_synced_items" "pref_key_fxa_signed_in": "pref_key_fxa_signed_in" "pref_key_has_inactive_tabs_auto_close_dialog_dismissed": "pref_key_has_inactive_tabs_auto_close_dialog_dismissed" "pref_key_has_shown_home_onboarding": "pref_key_has_shown_home_onboarding" "pref_key_help": "pref_key_help" "pref_key_history_metadata_feature": "pref_key_history_metadata_feature" "pref_key_home" : "pref_key_home" "pref_key_inactive_tabs" : "pref_key_inactive_tabs" "pref_key_inactive_tabs_category": "pref_key_inactive_tabs_category" "pref_key_install_pwa_opened": "pref_key_install_pwa_opened" "pref_key_install_pwa_visits": "pref_key_install_pwa_visits" "pref_key_installed_addons_count": "pref_key_installed_addons_count" "pref_key_installed_addons_list": "pref_key_installed_addons_list" "pref_key_is_first_run": "pref_key_is_first_run" "pref_key_language" : "pref_key_language"

POSSIBLE SECRETS "pref_key_last_cfr_shown_time" : "pref_key_last_cfr_shown_time" "pref_key_last_known_mode_private" : "pref_key_last_known_mode_private" "pref_key_last_maintenance" : "pref_key_last_maintenance" "pref_key_leakcanary" : "pref_key_leakcanary" "pref_key_light_theme": "pref_key_light_theme" "pref_key_login_exceptions": "pref_key_login_exceptions" "pref_key_logins_secure_warning_sync": "pref_key_logins_secure_warning_sync" "pref_key_make_default_browser": "pref_key_make_default_browser" "pref_key_marketing_telemetry": "pref_key_marketing_telemetry" "pref_key_master_password_tip": "pref_key_master_password_tip" "pref_key_migrating_from_fenix_nightly_tip": "pref_key_migrating_from_fenix_nightly_tip" "pref_key_migrating_from_fenix_tip": "pref_key_migrating_from_fenix_tip" "pref_key_migrating_from_firefox_nightly_tip": "pref_key_migrating_from_firefox_nightly_tip" "pref_key_mobile_bookmarks_size": "pref_key_mobile_bookmarks_size" "pref_key_never_save_logins": "pref_key_never_save_logins"

POSSIBLE SECRETS "pref_key_nimbus_experiments": "pref_key_nimbus_experiments" "pref_key_nimbus_use_preview": "pref_key_nimbus_use_preview" "pref_key_notifications": "pref_key_notifications" "pref_key_open_in_app_opened": "pref_key_open_in_app_opened" "pref_key_open_links_in_a_private_tab" : "pref_key_open_links_in_a_private_tab" "pref_key_open_links_in_external_app": "pref_key_open_links_in_external_app" "pref_key_open_next_tab_desktop_mode": "pref_key_open_next_tab_desktop_mode" "pref_key_open_tabs_count" : "pref_key_open_tabs_count" "pref_key_override_amo_collection": "pref_key_override_amo_collection" "pref_key_override_amo_user": "pref_key_override_amo_user" "pref_key_override_fxa_server": "pref_key_override_fxa_server" "pref_key_override_sync_tokenserver": "pref_key_override_sync_tokenserver" "pref_key_passwords": "pref_key_passwords" "pref_key_phone_feature_camera": "pref_key_phone_feature_camera" "pref_key_phone_feature_location": "pref_key_phone_feature_location"

POSSIBLE SECRETS "pref_key_phone_feature_microphone": "pref_key_phone_feature_microphone" "pref_key_phone_feature_notification": "pref_key_phone_feature_notification" "pref_key_pocket_homescreen_recommendations": "pref_key_pocket_homescreen_recommendations" "pref_key_privacy_link" : "pref_key_privacy_link" "pref_key_privacy_pop_window" : "pref_key_privacy_pop_window" "pref_key_private_browsing": "pref_key_private_browsing" "pref_key_private_mode_opened": "pref_key_private_mode_opened" "pref_key_push_project_id" : "project_id" "pref_key_rate" : "pref_key_rate" "pref_key_recent_bookmarks": "pref_key_recent_bookmarks" "pref_key_recent_tabs" : "pref_key_recent_tabs" "pref_key_remote_debugging": "pref_key_remote_debugging" "pref_key_return_to_browser" : "pref_key_return_to_browser" "pref_key_save_logins" : "pref_key_save_logins" "pref_key_save_logins_settings": "pref_key_save_logins_settings"

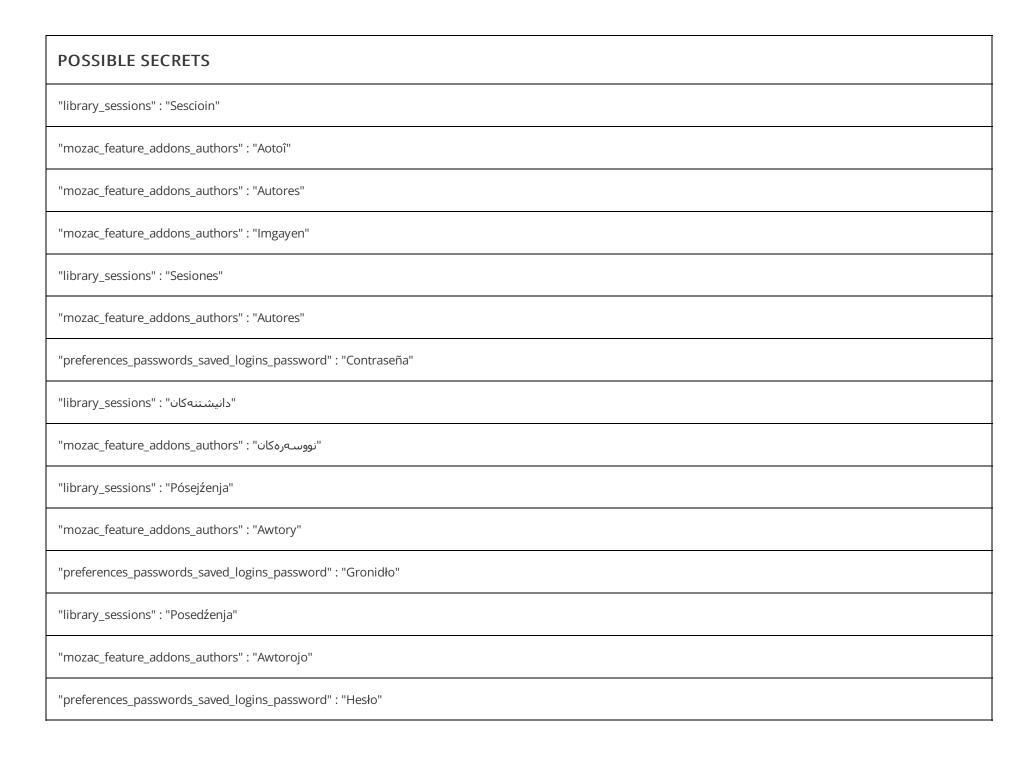
POSSIBLE SECRETS "pref_key_saved_logins" : "pref_key_saved_logins" "pref_key_saved_logins_sorting_strategy" : "pref_key_saved_logins_sorting_strategy" "pref_key_search_bookmarks": "pref_key_search_bookmarks" "pref_key_search_browsing_history": "pref_key_search_browsing_history" "pref_key_search_engine": "pref_key_search_engine" "pref_key_search_engine_list": "pref_key_search_engine_list" "pref_key_search_settings" : "pref_key_search_settings" "pref_key_search_synced_tabs" : "pref_key_search_synced_tabs" "pref_key_search_term_tab_groups": "pref_key_search_term_tab_groups" "pref_key_search_widget_installed": "pref_key_search_widget_installed" "pref_key_secret_debug_info": "pref_key_secret_debug_info" "pref_key_secure_warning": "pref_key_secure_warning" "pref_key_should_show_auto_close_tabs_banner": "pref_key_should_show_auto_close_tabs_banner" "pref_key_should_show_default_browser_notification": "pref_key_should_show_default_browser_notification" "pref_key_should_show_inactive_tabs_popup": "pref_key_should_show_inactive_tabs_popup"

POSSIBLE SECRETS "pref_key_should_show_inactive_tabs_turn_off_survey": "pref_key_should_show_inactive_tabs_turn_off_survey" "pref_key_should_show_jump_back_in_tabs_popup": "pref_key_should_show_jump_back_in_tabs_popup" "pref_key_should_show_open_in_app_banner": "pref_key_should_show_open_in_app_banner" "pref_key_show_address_feature": "pref_key_show_address_feature" "pref_key_show_clipboard_suggestions": "pref_key_show_clipboard_suggestions" "pref_key_show_search_engine_shortcuts": "pref_key_show_search_engine_shortcuts" "pref_key_show_search_suggestions": "pref_key_show_search_suggestions" "pref_key_show_search_suggestions_in_private": "pref_key_show_search_suggestions_in_private" "pref_key_show_search_suggestions_in_private_onboarding": "pref_key_show_search_suggestions_in_privateonboarding" "pref_key_show_site_exceptions": "pref_key_show_site_exceptions" "pref_key_show_voice_search": "pref_key_show_voice_search" "pref_key_showed_private_mode_cfr": "pref_key_showed_private_mode_cfr" "pref_key_sign_out": "pref_key_sign_out" "pref_key_site_permissions" : "pref_key_site_permissions" "pref_key_start_on_home_after_four_hours": "pref_key_start_on_home_after_four_hours"

POSSIBLE SECRETS
"pref_key_start_on_home_always" : "pref_key_start_on_home_always"
"pref_key_start_on_home_category" : "pref_key_start_on_home_category"
"pref_key_start_on_home_never" : "pref_key_start_on_home_never"
"pref_key_studies_section" : "pref_key_studies_section"
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"pref_key_swipe_toolbar_switch_tabs" : "pref_key_swipe_toolbar_switch_tabs"
"pref_key_sync_address" : "pref_key_sync_address"
"pref_key_sync_bookmarks" : "pref_key_sync_bookmarks"
"pref_key_sync_credit_cards" : "pref_key_sync_credit_cards"
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"pref_key_sync_history" : "pref_key_sync_history"
"pref_key_sync_logins" : "pref_key_sync_logins"
"pref_key_sync_now" : "pref_key_sync_now"
"pref_key_sync_tabs" : "pref_key_sync_tabs"
"pref_key_tab_view_grid" : "pref_key_tab_view_grid"

POSSIBLE SECRETS "pref_key_tab_view_list_do_not_use" : "pref_key_tab_view_list" "pref_key_tabs" : "pref_key_tabs" "pref_key_telemetry" : "pref_key_telemetry" "pref_key_times_app_opened": "pref_key_times_app_opened" "pref_key_toolbar_bottom": "pref_key_toolbar_bottom" "pref_key_toolbar_top": "pref_key_toolbar_top" "pref_key_top_sites_max_limit": "pref_key_top_sites_max_limit" "pref_key_top_sites_size": "pref_key_top_sites_size" "pref_key_tracking_protection": "pref_key_tracking_protection" "pref_key_tracking_protection_custom_cookies": "pref_key_tracking_protection_custom_cookies" "pref_key_tracking_protection_custom_cookies_select": "pref_key_tracking_protection_custom_cookies_select" "pref_key_tracking_protection_custom_cryptominers": "pref_key_tracking_protection_custom_cryptominers" "pref_key_tracking_protection_custom_fingerprinters": "pref_key_tracking_protection_custom_fingerprinters" "pref_key_tracking_protection_custom_option": "pref_key_tracking_protection_custom_option" "pref_key_tracking_protection_custom_tracking_content": "pref_key_tracking_protection_custom_tracking_content"

POSSIBLE SECRETS "pref_key_tracking_protection_custom_tracking_content_select": "pref_key_tracking_protection_custom_tracking_content_select" "pref_key_tracking_protection_exceptions": "pref_key_tracking_protection_exceptions" "pref_key_tracking_protection_redirect_trackers": "pref_key_tracking_protection_redirect_trackers" "pref_key_tracking_protection_settings": "pref_key_tracking_protection_settings" "pref_key_tracking_protection_standard_option": "pref_key_tracking_protection_standard_option" "pref_key_tracking_protection_strict_default": "pref_key_tracking_protection_strict_default" "pref_key_user_knows_about_pwa": "pref_key_user_knows_about_pwa" "pref_key_website_pull_to_refresh": "pref_key_website_pull_to_refresh" "pref_key_your_rights": "pref_key_your_rights" "preferences_passwords_saved_logins_password" : "Password" "preferences passwords saved logins username": "Username" "private_string": "private" "mozac_feature_addons_authors" : "Manunulat" "library_sessions": "Tivimiyen" "mozac_feature_addons_authors": "Imeskaren"

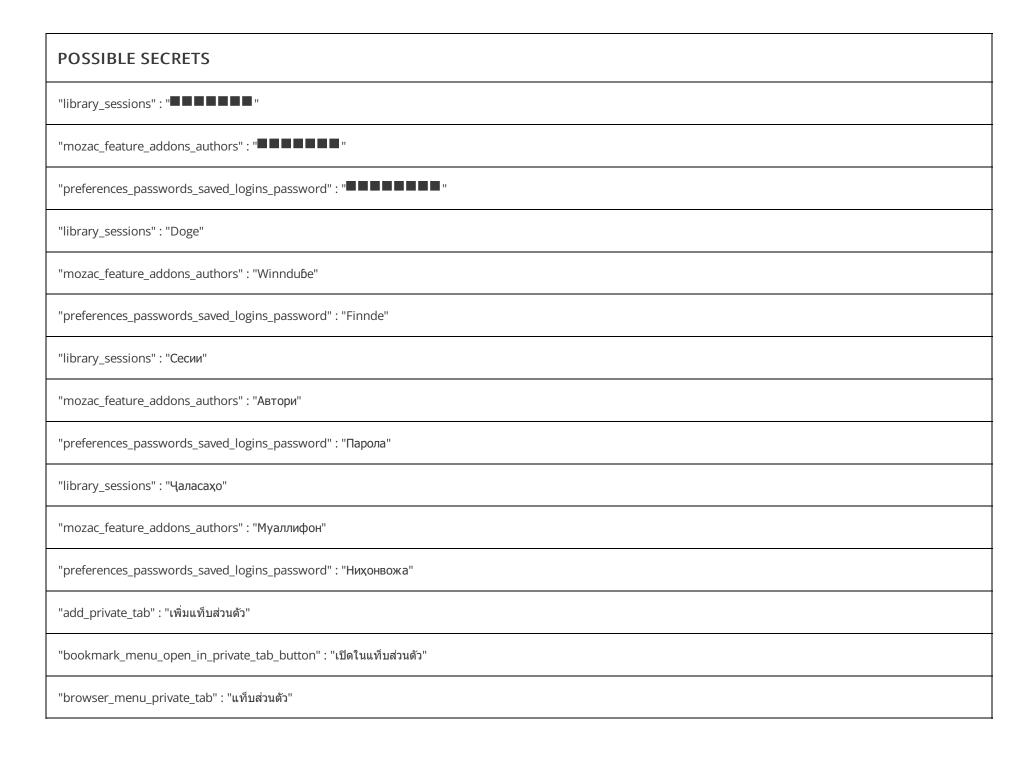




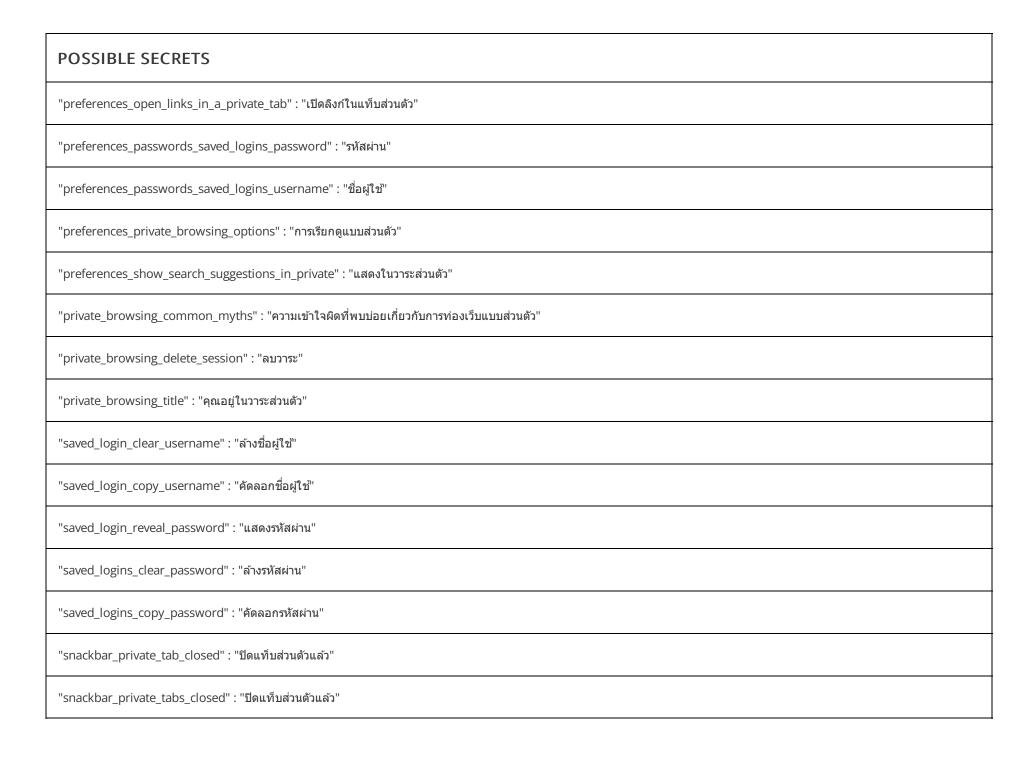
POSSIBLE SECRETS
"no_private_tabs_description": " "
"preferences_add_private_browsing_shortcut": " "
"preferences_allow_screenshots_in_private_mode" : "
"preferences_open_links_in_a_private_tab" : "
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"preferences_private_browsing_options" : " "
"preferences_screenshots_in_private_mode_disclaimer" : "
"preferences_show_search_suggestions_in_private":" "
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"saved_login_copy_username" : " "
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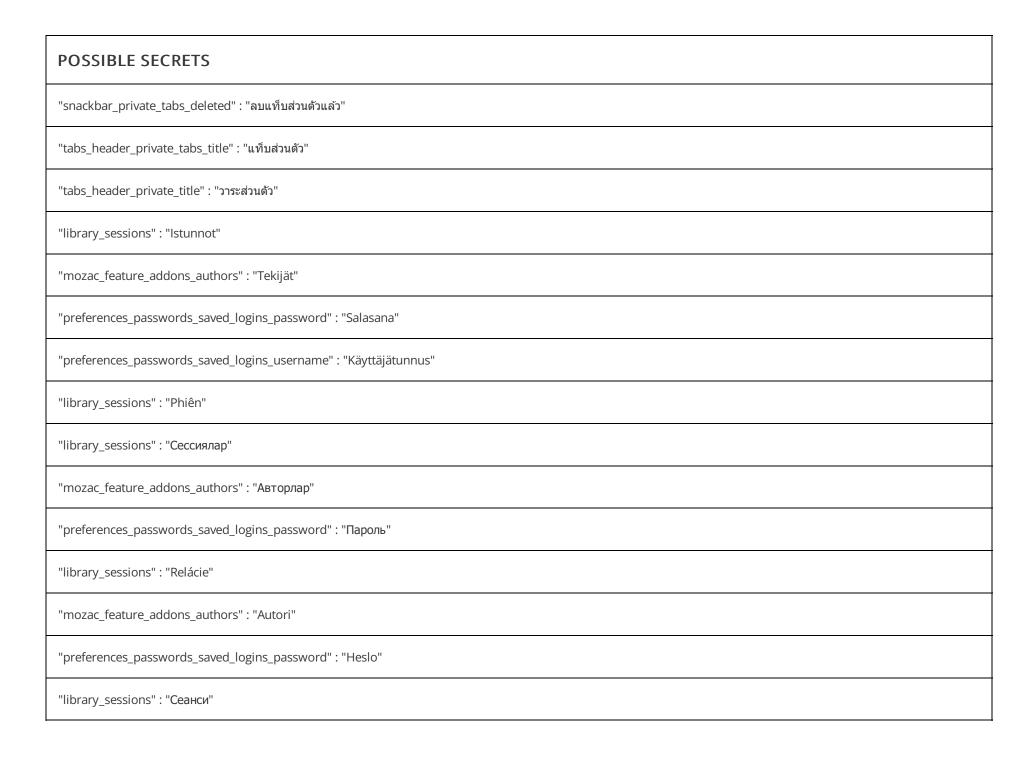
POSSIBLE SECRETS
"saved_logins_clear_password":" "
"saved_logins_copy_password" : "
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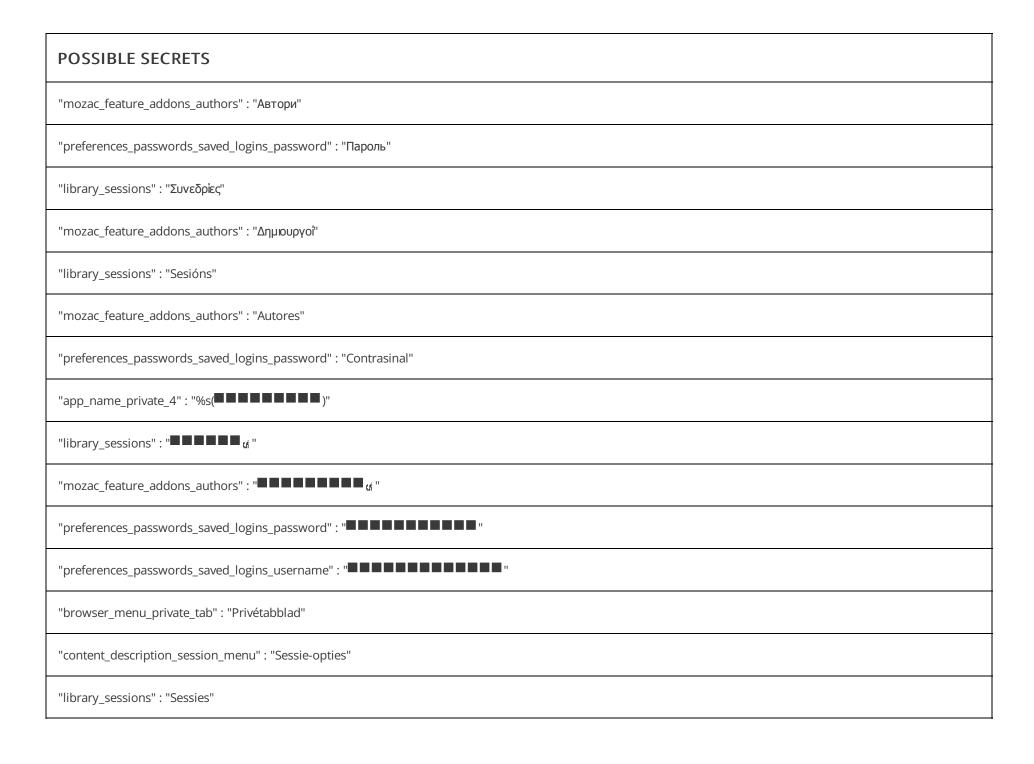




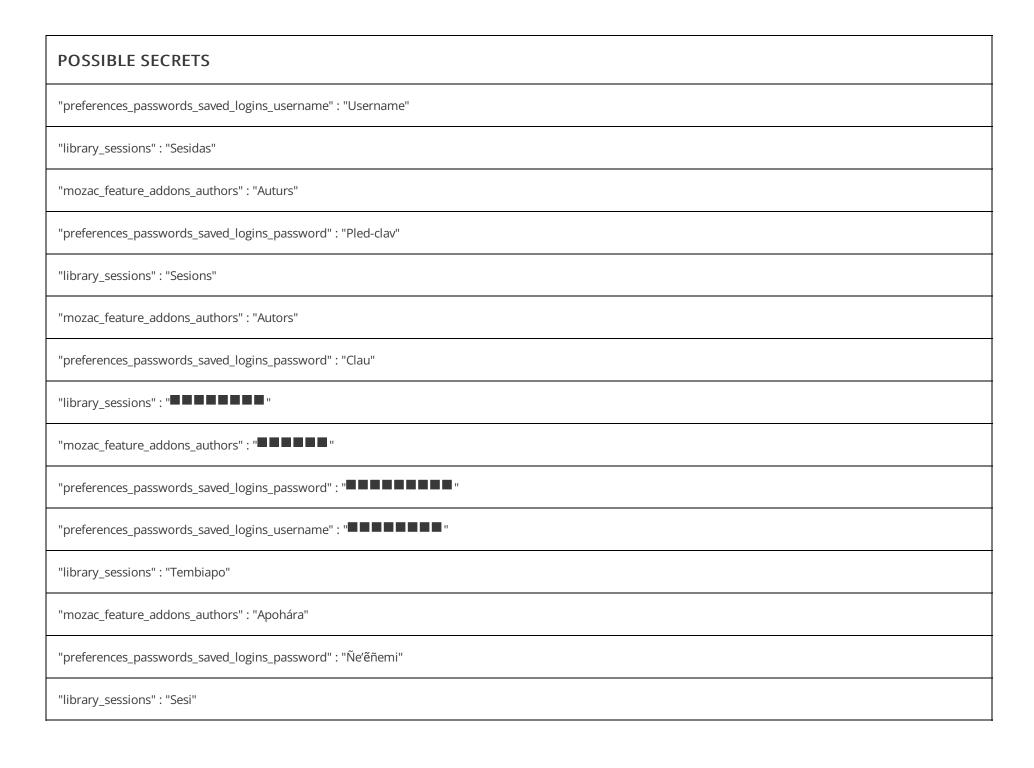
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"mozac_feature_addons_settings_run_in_private_browsing" : "เรียกใช้ในการเรียกดูแบบส่วนตัว"
"mozac_feature_autofill_popup_no_username" : "(ไม่มีชื่อผู้ใช้)"
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"no_private_tabs_description" : "แท็บส่วนตัวของคุณจะถูกแสดงที่นี่"
"preferences_add_private_browsing_shortcut" : "เพิ่มทางลัดการเรียกดูแบบส่วนตัว"
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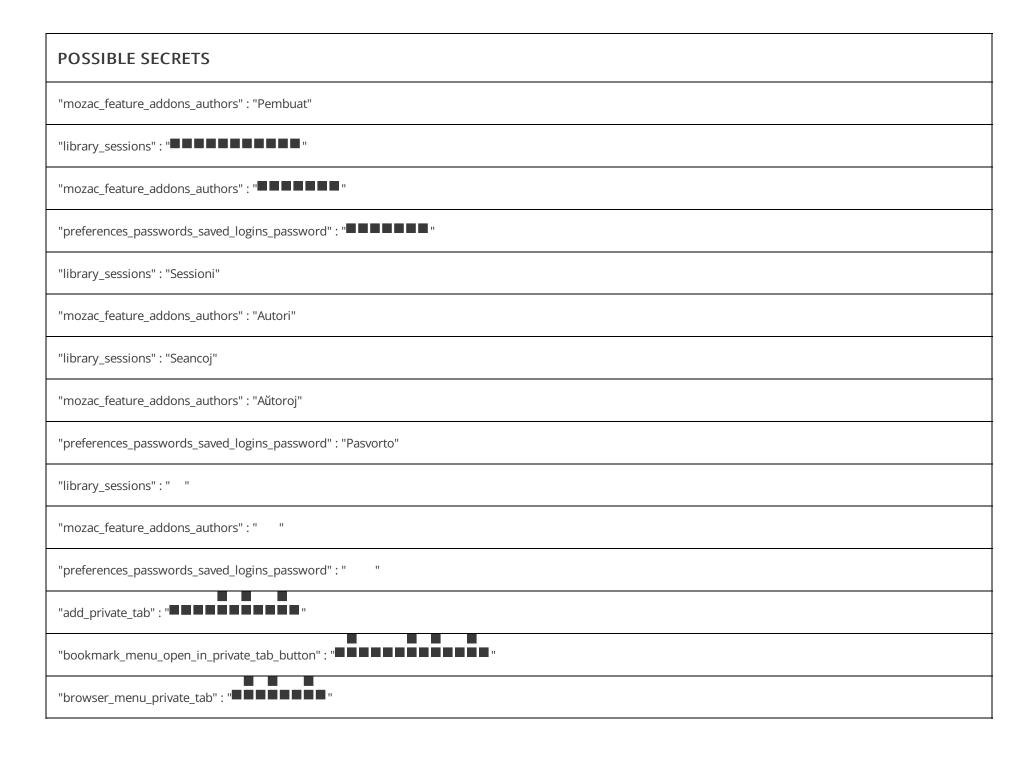


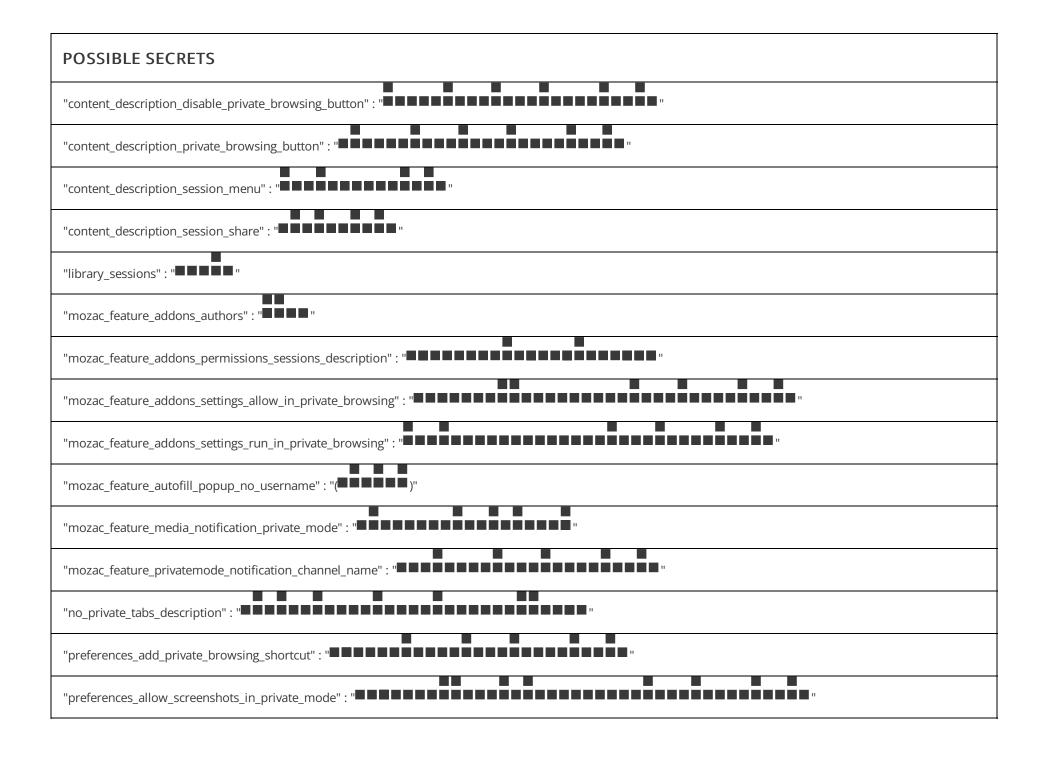


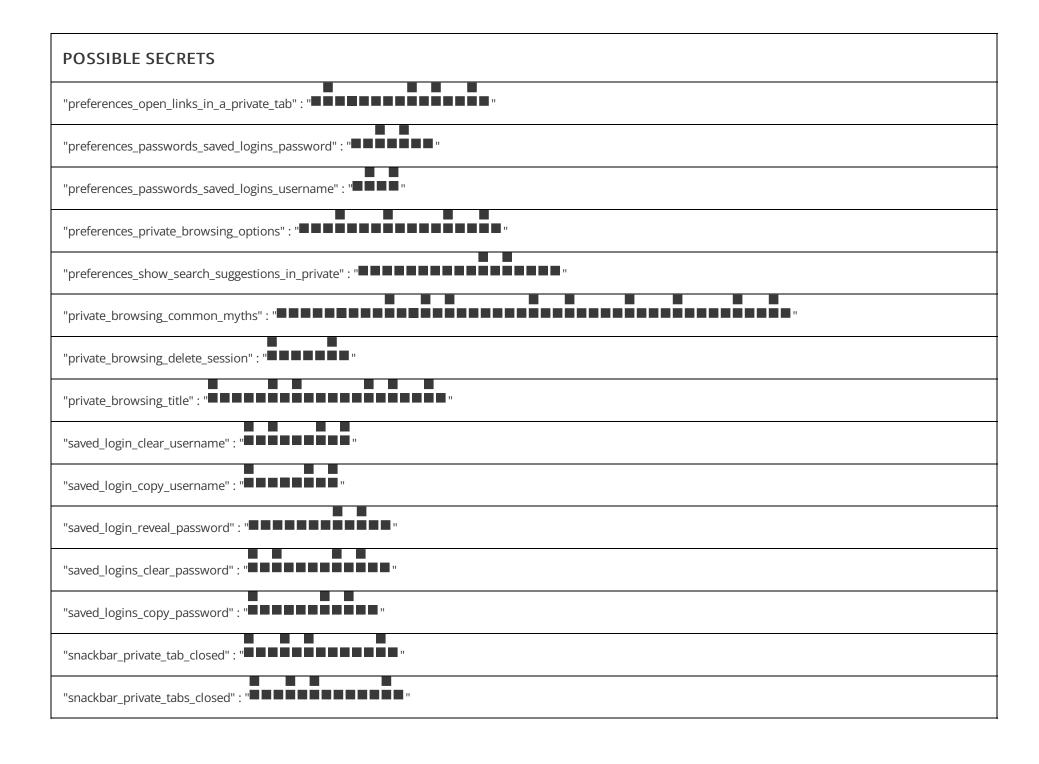




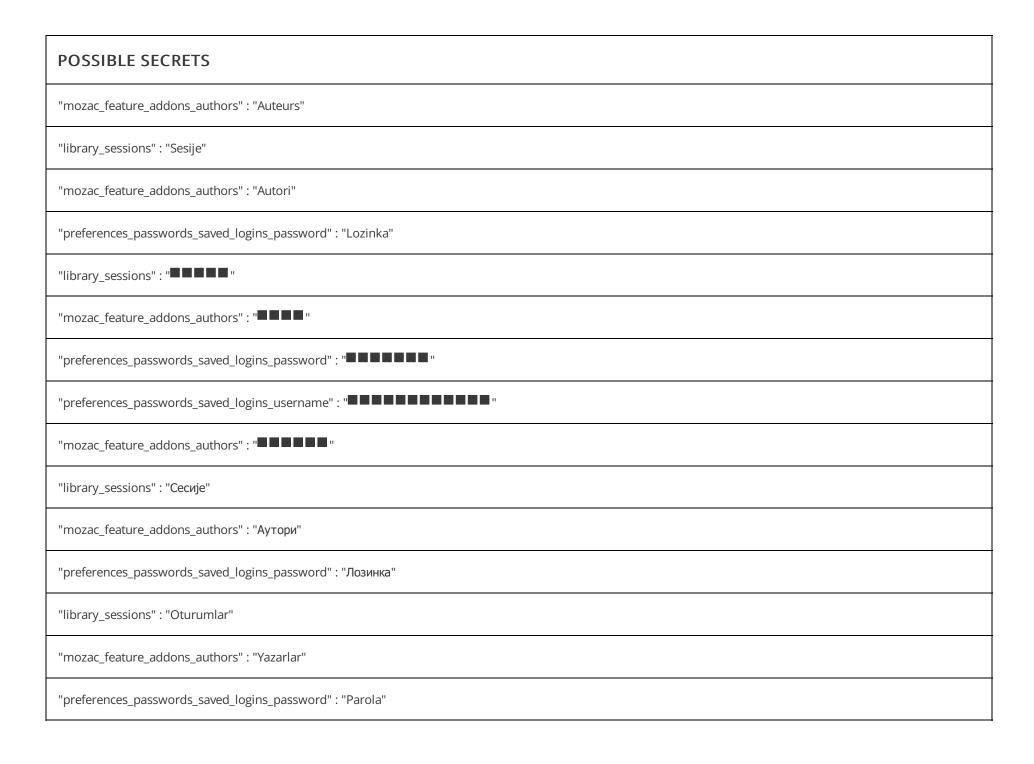


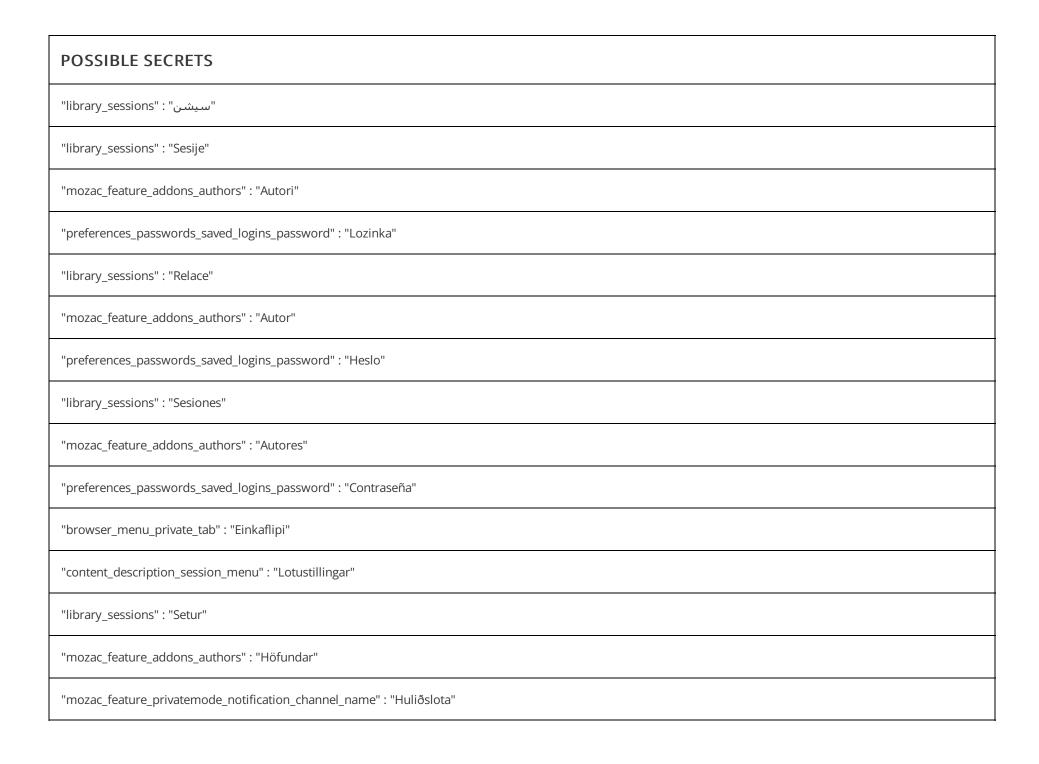






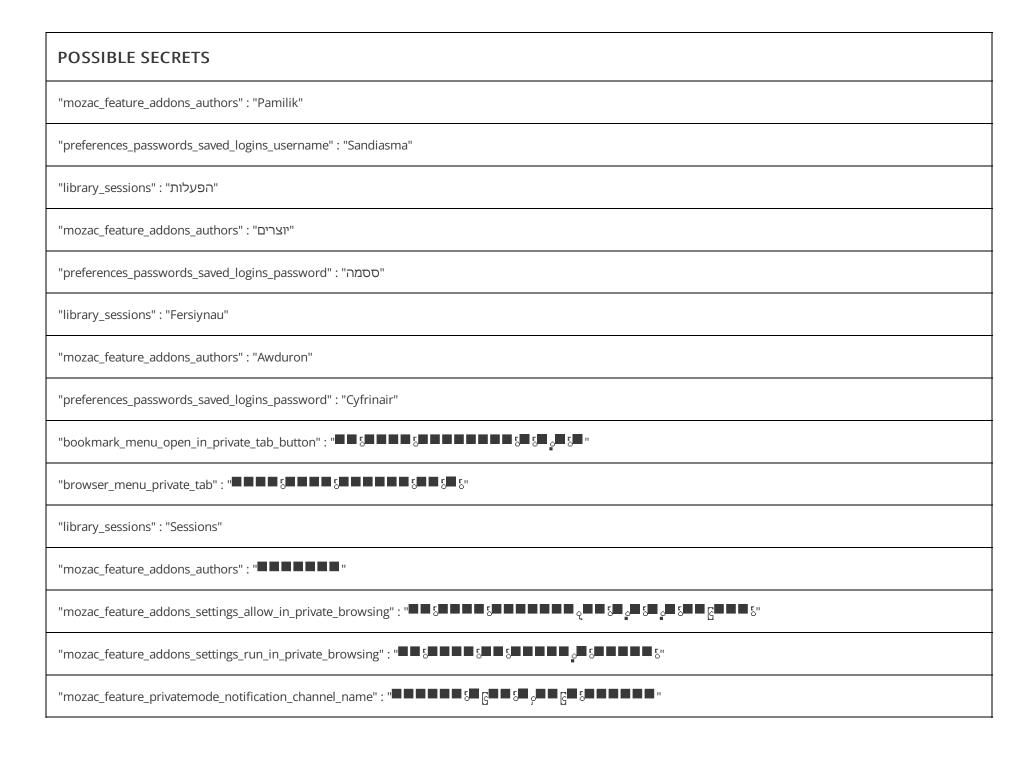
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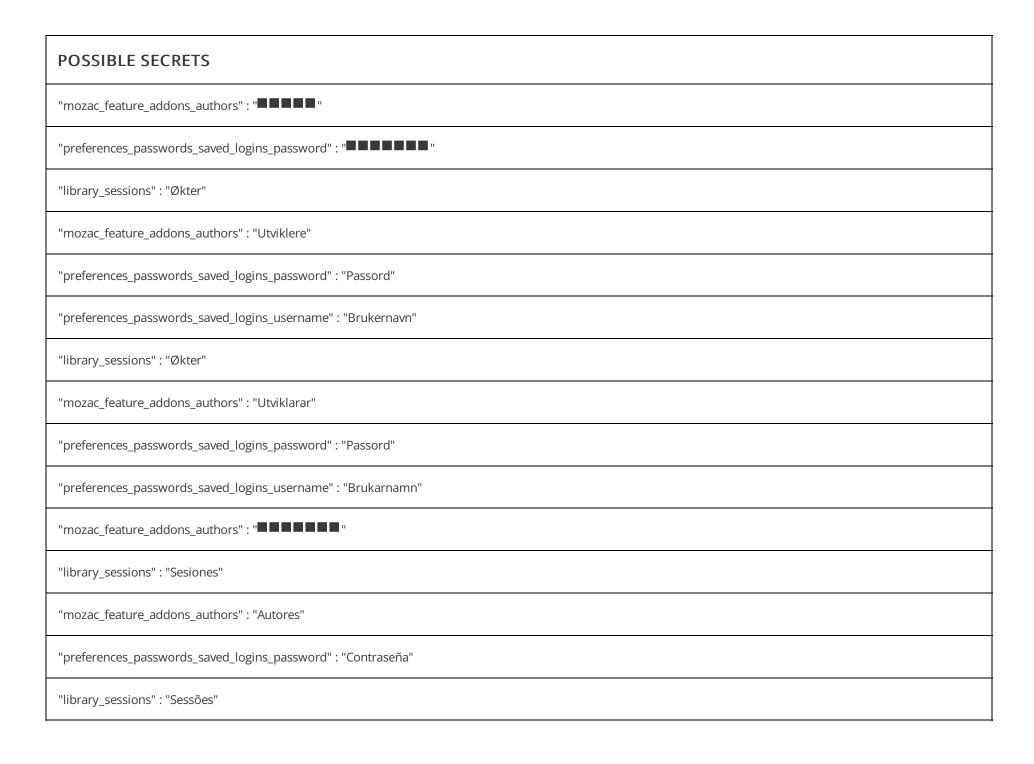




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Title: Firefox Fast & Private Browser

Score: 4.506476 Installs: 100,000,000+ Price: 0 Android Version Support: 5.0 and up Category: Communication Play Store URL: org.mozilla.firefox

Developer Details: Mozilla, 7083182635971239206, None, https://www.mozilla.org/firefox/mobile/, firefox-android-feedback@mozilla.com,

Release Date: Dec 21, 2010 Privacy Policy: Privacy link

Description:

Go bold with more control of your internet experience than ever before. Now you can see your open tabs, recent searches and favorite sites all in one place. The new Firefox home screen adapts to you. The more you use it, the smarter it gets. Firefox makes it easier for you to pick up right where you left off. When it comes to your life online, you have a choice: accept the factory settings or put your privacy first. When you choose Firefox as your default browser, you're choosing to protect your data while supporting an independent tech company. Firefox is also the only major browser backed by a non-profit fighting to give you more openness, transparency and control of your life online. Join hundreds of millions of people who choose to protect what's important by choosing Firefox. TL;DR - Feel more in control of your internet experience. The new home screen lets you pick up right where you left off every time - Even more industry-leading privacy and security from the most trusted name in tech PERSONALIZED HOME SCREEN Pick up right where you left off. Now you can see all your open tabs intuitively grouped and displayed along with your recent searches, bookmarks and favorite sites. You'll also see popular articles recommended by Pocket, updated daily. MOVE THE SEARCH BAR WHERE YOU WANT IT Firefox lets you choose the default placement of the search bar, either at the top or the bottom of your screen. Sometimes it's easier to search for things if you put the search bar at the bottom — especially if you're using one hand. FAST. PRIVATE. SAFE. Keep what's personal private without sacrificing speed. With Firefox, you can have more control to decide what to share online and when, because your life is your business. We designed Firefox with smart browsing features that let you take your privacy, password and bookmarks with you safely wherever you go. MAKE FIREFOX YOUR OWN Make Firefox your go-to, get-it-done, default browser. And with Firefox widgets, you can jump right to searching the

web or using private-browsing mode straight from your phone's home screen. And Firefox makes password management easy by remembering your passwords across devices. PRIVACY CONTROL IN ALL THE RIGHT PLACES Firefox gives you greater privacy protection while you're on the web. By default, Firefox blocks trackers and scripts such as social media trackers, cross-site cookie trackers, cryptominers and fingerprinters. You can also easily choose to search in private browsing mode. And when you close private browsing mode, your browsing history and any cookies are automatically erased from your device. FIND IT FAST WITH FIREFOX'S SEARCH BAR Get search suggestions in the search bar and quickly access the sites you visit most. Type in your search question and get suggested and previously searched results across your favorite search engines. COLLECTIONS Open as many tabs as you like and organize them into Collections to stay on task. Collections can also be shared across devices so you get more done no matter where you are or what device you're using. GET ADD-ONS Full support for the most popular add-ons, including ways to turbo-charge powerful default privacy settings and customize your experience. SHARE ANYTHING IN A FEW TAPS The Firefox web browser makes it easy to share links to web pages or specific items on a page with easy, quick access to your most recently used apps. LEARN MORE ABOUT FIREFOX WEB BROWSER: - Read about Firefox permissions: http://mzl.la/Permissions - Learn more about what's up at Mozilla: https://blog.mozilla.org ABOUT MOZILLA Mozilla exists to build the Internet as a public resource accessible to all because we believe open and free is better than closed and controlled. We build products like Firefox to promote choice and transparency and give people more control over their lives online. Learn more at https://www.mozilla.org.

Report Generated by - MobSF v3.5.1 Beta

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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