FlowMoose

Privacy & Security

Whitepaper

Audio captured, transcribed, and pasted — entirely on your Mac. No audio, no transcripts, and no dictation history ever leave the device.

Version 1.0
Last updated: 2026-05-09
Fact-checked against FlowMoose v1.1.2

privacy@leanbytes.io

Contents

§1

Summary

FlowMoose is a macOS voice-dictation application. A user holds a keyboard shortcut, speaks, and releases. FlowMoose records the audio locally, transcribes it on-device with OpenAI's Whisper model, and pastes the resulting text into the focused application. Audio, transcripts, and dictation history never leave the user's Mac.

The application contacts only four hosts on the network, all enumerated in §4. There is no cloud transcription path, no "send for review" option, and no toggleable cloud mode. The processing pipeline is local-only by construction.

§2

Architecture

The user-facing pipeline is on-device end-to-end. No audio bytes, no transcribed text, and no dictation history is transmitted from the Mac.

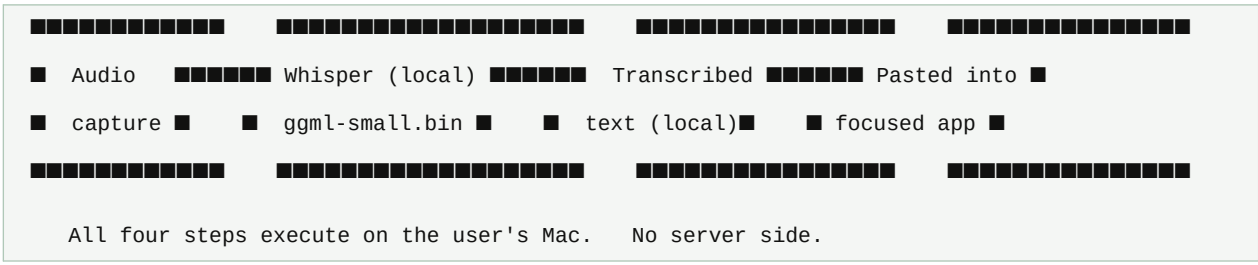

Figure 1 — All four pipeline steps execute on the user's Mac. No server side.

§3

Data Handling

Each data type FlowMoose touches, where it lives, and whether it leaves the device:

Data Type	Location on Disk	Leaves Device ?	Retention	Encryption at Rest
Audio recordings	In-memory only	**No**	Deleted immediately after transcription	N/A — never written to disk
Transcribed text	Local app sandbox	**No**	Max 500 entries, auto-pruned	macOS APFS / FileVault when enabled
Dictation history	Local app sandbox	**No**	500 most recent entries; older auto-pruned	macOS APFS / FileVault when enabled
Settings & preferences	Local user defaults	**No**	Until user resets or uninstalls	macOS APFS / FileVault when enabled
License key	Local user defaults	**Limited**	Until user removes license	macOS APFS / FileVault when enabled
Whisper model file	Local app support directory (~466 MB)	**No**	Until user uninstalls or clears cache	macOS APFS / FileVault when enabled

Table 1 — Data handling per type. "Limited" for license key means the key hash is sent to Lemon Squeezy for subscription validation only (see §4).

§4

Network Activity

The following table enumerates every host the FlowMoose macOS app contacts. This list is exhaustive. If a future release adds, removes, or changes a host, this document is bumped to a new version (see §7).

Host	Purpose	Trigger	Frequency	Payload / If Blocked	Operator
`huggingface.co` `cdn-lfs.huggingface.co`	First-launch download of Whisper model (ggml-small.bin, ~466 MB)	First launch	Once per install	HTTPS GET for model file. No request body, no user identifier. If blocked: transcription unavailable until reachable.	Third-party: HuggingFace, Inc.
`flowmoose-releases.s3.eu-central-1.amazonaws.com`	Update check & DMG download via Sparkle. EU S3 bucket (Frankfurt).	Startup, periodic	Startup + every 1 day	HTTPS GET for appcast XML. No user identifier, no telemetry. If blocked: stays on current version; no data loss.	LeanBytes UG
`api.lemonsqueezy.com`	License validation. Only after user enters a license key. Free trial: no network call.	Post-purchase, periodic	Every 14 days	License key + installation ID. No audio, no transcripts. If blocked: grace period ~21 days, then trial/fallback state.	Third-party: Lemon Squeezy (merchant of record)
`push.pandalytics.io`	In-app analytics. LeanBytes-built service — not a third-party SDK.	User action	Per user action	Non-identifying: feature usage, timestamps, app version, OS version, device type, coarse country, installation ID, session ID, locale, event signals. No audio, no transcripts, no PII. If blocked: events queue and retry; drops after retry window.	LeanBytes UG

Table 2 — Exhaustive list of hosts contacted by FlowMoose macOS. The flowmoose.app website uses Vercel Web Analytics (cookieless, no cross-site tracking) for page-view measurement — unrelated to the macOS app.

§5

GDPR Posture

Data controller for any data LeanBytes UG processes (license metadata, analytics events, support correspondence):

```
LeanBytes UG (haftungsbeschränkt) Goldmühlestraße 65 71065 Sindelfingen Germany
Represented by: Stephan Arenswald Contact: privacy@leanbytes.io
```

> **Audio & transcripts:** processing happens entirely on the user's device. LeanBytes UG never receives, stores, or has access to any audio, transcript, or dictation history. For GDPR purposes, LeanBytes is neither controller nor processor of this content.

Data Processing Addendum (AVV / DPA): available on request. Contact privacy@leanbytes.io with your DPA template and we will return a signed copy. A generic template is deferred pending legal review of role/module mapping.

Lead supervisory authority (for GDPR complaints): Landesbeauftragter für den Datenschutz und die Informationsfreiheit Baden-Württemberg (LfDI BW), Stuttgart, Germany.

The FlowMoose website privacy policy at */privacy* describes the website's legal basis (Art. 6(1)(f) GDPR Legitimate Interest) for analytics processing in detail.

§6

Update & Model Integrity

Application updates are delivered via the **Sparkle framework**, an industry-standard macOS auto-update library. The appcast XML and DMG package are served from a LeanBytes-operated AWS S3 bucket in the **eu-central-1 (Frankfurt)** region. Sparkle verifies update payload signatures against a public Ed25519 key embedded in the application before installation; tampering in transit fails the signature check and the update does not install.

Code-signing identity	Developer ID Application: LeanBytes UG (3DJZR74CAM)
Hardened runtime	Enabled
Entitlement	`com.apple.security.device.audio-input`
Notarized by Apple	Yes
Sandboxed	No — App Sandbox is incompatible with the Accessibility permission required to paste into other applications. Distributed as DMG.

Whisper model integrity: the model file (ggml-small.bin, ~466 MB) is downloaded once on first launch from huggingface.co at the repository *ggerganov/whisper.cpp*. Subsequent launches reuse the cached model file from the local app support directory.

§7

Versioning & Changes

Each material change to the facts in this whitepaper bumps **SECURITY_DOC_VERSION**: minor version for added/removed domains or changed network behaviour; major version for changed models, changed cryptographic identity, or changed controller.

The current version is always available at *flowmoose.app/security*. Older versions can be reconstructed from the public source-control history of flowmoose.app. This document is re-verified against the running FlowMoose macOS application on each release that touches network behaviour, model selection, or code-signing configuration. The reverification ritual lives in *_spec/RELEASE-CHECKLIST.md* in the public flowmoose.app source repository.

For RFC 9116 vulnerability-disclosure purposes, see *flowmoose.app/.well-known/security.txt*.

§8

Contact

> Privacy and security questions: **privacy@leanbytes.io**