

LuxAlgo — Security & Architecture Overview

One-pager for procurement and security review. Version 1.2, September 21, 2026.

What you are buying

Vela™ and PineTS are **self-hosted software components** — a charting library and a Pine Script® compatible scripting engine — that run entirely inside **your** infrastructure and your users' browsers. This is not a SaaS: there is no LuxAlgo server in your data path.

Data handling — the part your security team cares about

- **No market data, order data, or end-user data transits LuxAlgo systems.** The libraries render and compute against data *you* supply from *your* feeds.
- **No telemetry.** The Software contains no usage analytics, crash reporting, or phone-home of any kind, in the open-source cores or in the official builds LuxAlgo distributes. The only network calls in the codebase are the optional market-data provider modules (for example the Binance, Coinbase, Hyperliquid, Alpaca, and FMP adapters), which connect directly from your deployment to the vendor you configure and can be left unused. None of them reach LuxAlgo.
- **No PII collected by the software.** The only personal data LuxAlgo holds about a customer is standard billing information (name, email, company) processed via Stripe, plus the GitHub usernames a customer chooses to grant source access to.
- **License enforcement is legal, not technical.** Official builds contain no license key, activation step, or entitlement check; the Developer License Agreement is the enforcement mechanism.

Architecture at a glance

- **Distribution:** the open-source cores are versioned packages on the public npm registry (`@luxalgo/vela``, `@luxalgo/pinets``), integrity-verifiable through npm's registry signatures and the sha512 integrity hashes recorded in your lockfile. Vela™ Pro is delivered as read-only access to a private GitHub repository granted per developer from the customer's LuxAlgo account, so your team builds from source you can read.
- **Runtime:** browser (charting) and/or your servers (headless engine). No external network calls are required by the components themselves.
- **Open core:** the Vela core library is Apache-2.0 open source — **fully auditable**. PineTS source is available under AGPL-3.0 — **fully auditable**. Your security team can read every line of what runs in your product.
- **Dependencies:** a deliberately small runtime footprint. Vela™ has seven runtime dependencies (all `@zag-js/*`` UI primitives); PineTS has three (`@acorn``, `@acorn-walk``, `@esbuild``). Both are pinned by lockfile in every release.

Development & supply-chain practices

- Source control: GitHub. External contributions to the open-source repositories require a signed Contributor License Agreement, enforced by an automated check on every pull request.
- CI: automated test suites (Vitest) run on every release build for both libraries; PineTS additionally publishes test and API coverage.
- Releases: built and published from GitHub Actions on tagged versions; every npm release carries the registry's signature and integrity hash.
- Vulnerability disclosure: report to **security@luxalgo.com**; coordinated disclosure honored; advisories published via GitHub Security Advisories. Fix targets for confirmed vulnerabilities are stated in the Support & SLA Schedule at luxalgo.com/licensing.

Company & commercial

- Vendor: LuxAlgo Global, LLC, a Delaware (US) limited liability company d/b/a LuxAlgo; the largest provider of trading indicators worldwide.
- Billing: Stripe (PCI-DSS Level 1 service provider). LuxAlgo never touches card numbers. Invoice/ACH/wire available on the Business and Enterprise Tiers.
- Insurance: LuxAlgo Global, LLC carries Errors & Omissions (professional liability) and Cyber liability coverage. Certificates of insurance are available to Enterprise Tier customers on request.
- Subprocessors relevant to licensing customers: Stripe (billing), GitHub (source delivery), SendGrid (transactional email), Vercel (hosting of luxalgo.com and the account portal), Intercom (support). No customer market or end-user data is involved in any of them.

Compliance posture, honestly stated

As a self-hosted component vendor with no access to customer data, most data-protection obligations (GDPR/CCPA processing, SOC 2 for customer data) rest with the deploying customer, not LuxAlgo — there is no LuxAlgo processing to certify. We complete security questionnaires on request; email security@luxalgo.com. Enterprise agreements can include data-processing terms for the limited billing and account data LuxAlgo does hold.

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