

CleanSource

Software Composition Analysis (SCA)

Open Source **Vulnerabilities**

License **Compliance**

Software **Export Control**

CHALLENGES OF USING OPEN SOURCE

Surging adoption, amplified security & compliance risk



Pervasive, hard to locate

84% of codebases contain ≥ 1 vulnerability, **74%** contain high-risk ones; manual triage is slow.



Governance lags behind

Insufficient OSS strategy and staffing weaken lifecycle control and compliance review mechanisms.



New AIGC-era risks

LLMs accelerate innovation while amplifying open-source vulnerability and license exposure.

84% of codebases have ≥ 1 vulnerability

74% contain high-risk vulnerabilities

Source: industry open-source security research

CLEANSOURCE SCA

Manage open-source security & license compliance

Advanced detection, a comprehensive database, and flexible deployment build accurate, complete **SBOMs** with full component visibility. **Reachability / unreachability analysis** and governance cut the **security, quality, and license-compliance risks** from open-source and third-party code.



Security Control

Precise vuln & malicious-code detection



Compliance

License compliance, supply-chain transparency



Dev Efficiency

Automated detection, baseline management



Cost Optimization

Lower remediation & audit costs

- ✓ **Security Builders**
OSPO, security architects
- ✓ **Dev-Process Optimizers**
DevOps, CI/CD pipeline owners
- ✓ **Compliance Controllers**
Legal, IP counsel
- ✓ **Security Operators**
SecOps engineers, vuln managers

CSSA • EXCLUSIVE VULNERABILITY INTELLIGENCE

Intelligence from the 0-day source on GitHub

CVE and NVD feeds lag. CSSA detects upstream at issues and PRs, enriched across sources — earlier, broader, actionable.

70–80
per day, sustained

30+
day head start

Issue + PR sensing

Earliest risk signals and fix activity, ahead of CVE

LLM-assisted, human-verified

Semantic triage plus human review for reliable data

Version-aware triage

GHSA / CVE / CSSA correlation to confirm real impact

Core Capabilities • Database • Advantages

PRODUCT CAPABILITIES

CleanSource SCA Core Capabilities

01 Multi-Dimensional Detection	02 Security & Compliance Risk ID	03 CSSA Exclusive Vuln Database	04 Reachability & Unreachability
05 Binary Package Scanning	06 AI Risk Governance	07 Security Audit Capabilities	08 Enriched Dashboard & Reports

DATABASE STRENGTH

A comprehensive, accurate global open-source database

1 Introduction Scenario	2 Tech & Algorithms	3 SCA Knowledge Base	4 Generate SBOM
Dependency Source Code Binary	Build / Non-Build Scan Precise Directory File Matching Code Snippet Decompilation Function Similarity	3 Trillion+ lines of OSS code 270 K+ vulnerabilities 604 languages 320 M+ components 200+ OSS repositories 100 B+ file records	Supports SPDX • CycloneDX • SWID ; includes supplier, component name & version, identifiers, dependencies, author and timestamp.

Supply-chain transparency
Manage supply-chain risk
Cross-org sharing
Unified-format ecosystem

CORE ADVANTAGES

Five dimensions of industry-leading SCA

Identification 604 languages supported - Component • file • dependency • binary - Linux kernel in ~40 min	Knowledge Base 320M+ components 270K+ vulnerabilities - NVD / CNVD / CNNVD / CAVD / GitHub Advisory - CSSA • 30+ day head start	Compliance - License accuracy 98%+ - Risk, compatibility & tampering - Rights & obligation tracking	Integration - CLI / API / Jenkins / LDAP / ... - Major code repositories	Deployment - SaaS / On-Prem / Hybrid - Parallel scanning - Server config guidance
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Selected Customers

Internet & ICT

Tencent • Alibaba • Baidu • Ant Group • ByteDance • ZTE

Automotive

BMW • NIO • BOSCH • Yanfeng • Z-ONE • Leapmotor

Academia & OSS

SJTU • Fudan • MPS Third Inst. • OpenAnolis • OpenSDV

Manufacturing

Xiaomi • vivo • OPPO • HONOR • H3C • Dahua

Semiconductors

Biren • UNISOC • Longsys • HSAE • UnionTech

Foundations

Linux Foundation • OpenChain • OpenSSF • OpenAtom • CAICT

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