

AI API Security Scanner: Build It From Scratch

Automated API Security Compliance Scanner for CI/CD Pipelines

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What You Get in the Full Book

- **70+ pages** of hands-on content
 - **20 chapters** covering every module from scratch
 - 3 scanning engines (API Security, Code Compliance, Vulnerability)
 - 20 security rules mapped to OWASP API Top 10 + CWE
 - AI-powered false positive filtering
 - JSON, JUnit XML, and HTML report generation
 - Docker deployment and CI/CD integration
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What It Does

Point it at your codebase. It finds API security issues across 6 technologies, maps them to OWASP API Top 10, and generates reports for your CI/CD pipeline.

```
api-scanner scan /path/to/your/project --format html --output  
report.html
```

Three Scanning Engines

Engine	Checks	Focus
API Security Audit	6	OpenAPI spec, security schemes, HTTPS, rate limiting
Code Compliance	8	Auth, validation, secrets, CORS, error handling
Vulnerability Scan	6 technologies	Java, TypeScript, GraphQL, K8s, Gradle, npm

Key Features

- Zero external dependencies for core scanning
- OWASP API Top 10 + CWE mapping on every finding
- Optional AI enhancement (Bedrock, OpenAI, Ollama)
- Scoring system with pipeline threshold enforcement
- 3 report formats (JSON, JUnit XML, HTML)

Technology Stack

Technology	Role
Python 3.10+	Core language
Typer + Rich	CLI framework
LangChain	AI abstraction (optional)
Docker	Container deployment

Get the full book: Complete source code and step-by-step build instructions.

Source: <https://github.com/aисecuritytools-ai/ai-api-security-scanner>

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