APIFUZZER
Securing Your APIs

AUTOMATE API SECURITY TESTING

In recent years, APIs have emerged as a major security threat vector, making API security testing a top priority for organizations. With many businesses relying on hundreds, if not more, APIs in production, the critical role APIs play in online applications is undeniable. As our dependence on APIs continues to grow, they increasingly serve as potential entry points for accessing sensitive data. While the current risks are significant, the potential future dangers could be even greater.

DevSecOps Ready & Shift-left Technology

RAPIFUZZ is dedicated to ***'Making Security Simple,'*** assisting organizations in reducing their API security vulnerabilities, and aligning with their IT and business goals. Rapifuzz-APIFuzzer enables organizations by automating and simplifying API security testing leveraging fuzzing rather than traditional web application testing.

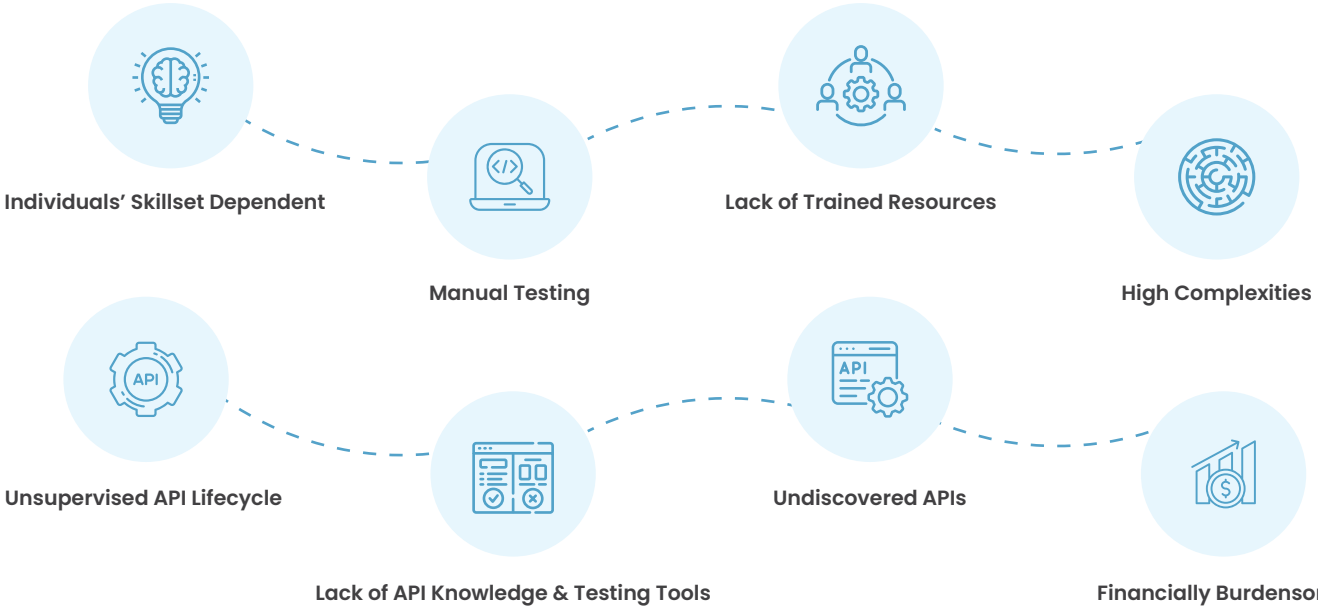
- According to a 2024 API Security Market Report , 78% of respondents prefer Shift Left security over Shield Right. [1]
- According to an API Security report, API traffic constituted nearly 71% or over three-quarters of web traffic in 2023. [2]
- The Wallarm API ThreatStats report for Q3 2023 revealed 239 new API vulnerabilities, indicating a growing concern in API security. Approximately 33% of these vulnerabilities were related to Authorization, Authentication, and Access Control (AAA), highlighting the critical role that AAA protocols play in securing API interactions. If compromised, such vulnerabilities could result in significant security breaches. [3]

Traditional, frameworks like the OWASP API Security Top-10 are essential but have limitations when it comes to addressing the evolving landscape of API threats. As technology progresses and cyber threats become more advanced, there is a growing need for a more flexible and real-time approach to API security—one that can swiftly detect and neutralize new threats as they emerge.

Rapifuzz-APIFUZZER, has been designed for every organization which consumes APIs including the ones in BFSI, healthcare, manufacturing, automobiles, government, and more. We enhance enterprise defences and seamlessly integrate into DevSecOps workflows. APIFUZZER leverages shift-left technology, enabling early detection of issues during development for more proactive protection.

Sources: 1. https://www.apisecuniversity.com/ 2. https://www.imperva.com/ 3. https://hubspot.wallarm.com/

Current Challenges for **API Security**



Key Features

- Clientless/Agentless
- Multiple API Upload Methods
- API Lifecycle Management
- Automated Security Testing
- Detailed API SBOM Generation including REST, graphQL, SOAP etc.
- Custom & Commercial APIs Segregation
- Discover API Endpoints Embedded within Web & Mobile Application
- Individual API Testing
- DevSecOps and CI/CD Ready
- Zero-Day Vulnerabilities Discovery
- Fuzzing-led API Endpoint Vulnerability Detection
- On-premise Deployment
- Custom Test Cases and Status Code
- Custom and Pre-build Payloads
- Vulnerability Mapping to OWASP 2019 & 2023
- Detailed Reporting and Best Practices Suggestions for REST APIs
- Analysis in Body/Payloads of Request and Response of API Endpoints
- Custom and Generic Remediation Techniques
- Map Vulnerability to CWE Numbers
- Detects Suspicious Client Requests based on IP Reputation
- Injection Attacks & Sensitive Data Discovery
- Tests for BOLA, BFLA, Rate Limiting and other OWASP API Top 10 2019 & 2023
- API Schema Analysis, Authentication method(GET, PUT, POST, PATCH etc.)

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RAPIFUZZ™ Making Security Simple