

HCLSoftware

HCL AppScan API Security

Securing application programming interfaces against threats and vulnerabilities with continuous discovery, in-depth testing and AI-driven posture governance.



HCL AppScan

Overview

The rapid increase in API usage that is driving digital transformation has outpaced traditional security measures, making APIs a prime target for attackers. As security incidents continue to rise, organizations must adopt modern, proactive security strategies to protect their expanding API ecosystems.

167%

Growth in API volume over the past 12 months

95%

Organizations that experienced an API security incident in the past year

37%

Organizations that suffered a security breach due to API vulnerabilities (up from 17% the previous year)

61%

API attacks that bypass authentication

70%

Security teams concerned about "zombie APIs" exposing unknown risks

State of API Security, Salt Security, 2024.

HCL AppScan API Security provides a comprehensive API discovery, testing and posture governance program that seamlessly finds, inventories and analyzes all the APIs associated with applications. AI-enabled insights allow to pinpoint and fix API vulnerabilities and provide a clear understanding of an attack surface and risk profile based on API details such as usage patterns, risk scores and sensitive data exposure. API security posture governance enables organizations to easily maintain regulatory compliance and prioritize their overall security risk based on business impact.

Benefits

Reduce Blindspots

Find and inventory all API assets, including shadow and zombie APIs, with an expert-trained, AI-infused continuous API discovery platform that reduces critical security blind spots. Pinpoint sensitive data in transit, link APIs to their owners and functions, and gain actionable insights into the security posture of an entire API landscape.

Control API Posture

Maintain corporate API standards during runtime and development with a complete API Posture Governance platform that accesses AI-based insights to assess and prioritize the riskiest API assets. Leverage industry best practices with pre-built policy templates and an expansive API policy library to reduce risk and simplify compliance.

API-specific DAST

Save time and resources with hyper accurate API-specific vulnerability testing that seamlessly integrates best-of-breed Dynamic Application Security Testing (DAST) with up-to-date specifications, business logic, and API configuration data. Achieve comprehensive coverage for critical vulnerabilities including 100% coverage of the OWASP API Security Top 10 list.

Maximize Business Value

Ensure all API assets provide continued business value without introducing increased levels of risk. Identify and mitigate API vulnerabilities before they're exploited, and empower the development of secure APIs inhouse. Manage APIs the same way as other IT assets to better streamline compliance requirements, and ease the burden of audit processes.

Features

Automatic API Discovery

Identify all APIs, even those not documented or present in API gateways or OpenAPI specifications. Additionally, organizations can uncover shadow and zombie APIs, which often significantly exceed documented APIs, to gain full visibility over their entire API ecosystem. Also, they can identify and protect sensitive data, such as PII, that may be inadvertently exposed through undiscovered APIs.

Detailed API Intelligence

Granular API details, including parameters, usage patterns, risk scores, and sensitive data exposure, provide a clear understanding of an attack surface and risk profile. Dynamic Documentation Maintenance allows for keeping API documentation up-to-date by continuously comparing discovered APIs with existing documentation.

Contextual API Insights

Advanced filtering and querying capabilities allow for deriving custom, context-rich insights into API behavior. Comprehensive Risk Evaluations assess the potential risks associated with each API, including vulnerabilities, misconfigurations and sensitive data exposure.

Regulatory Compliance Assurance

Help ensure that all APIs comply with relevant regulations and industry standards, such as GDPR, HIPAA, and PCI DSS. Robust Policy Implementation enables the implementation and enforcement of policies that define acceptable API behavior and access controls, and treat APIs as core assets for IT governance and compliance audits.

API Testing

Automatic DAST scans analyze APIs using Postman collection files, Open API descriptions, recorded traffic, or via seamless integrations with leading API testing tools. IAST API Monitoring detects and catalogs all internal APIs being used in an application via IAST API calls. SCA can be used to scan open-source packages used in API development to identify vulnerable third-party API components.

Insight-driven Governance

Discovery insights can be used to create and customize posture governance policies, using an advanced API Posture Governance engine. Extend existing IT security policies and/or apply pre-built or custom rules to ensure consistent security measures like authentication, authorization and input validation for all APIs.

Intelligent Risk Prioritization

The posture governance engine analyzes API risks within the context of the broader IT ecosystem. Risk prioritization is based on business impact, allowing organizations to focus on remediating the most critical vulnerabilities. Posture checks can be embedded into CI/CD pipelines for security during the API design phase, enabling faster remediation aligned with DevSecOps practices.

About HCLSoftware

HCLSoftware is a global leader in software innovation, dedicated to powering the Digital+ Economy. We develop, market, sell, and support transformative solutions across business and industry, intelligent operations, total experience, data and analytics, and cybersecurity. Built on a rich heritage of pioneering spirit and unwavering commitment to customer success, we deliver best-in-class software products that empower organizations to achieve their goals. Our core values of integrity, inclusion, value creation, people centricity, and social responsibility guide everything we do. HCLSoftware serves more than 20,000 organizations, including a majority of the Fortune 100 and almost half of the Fortune 500. **Learn more about how HCLSoftware can help you achieve your goals at <https://www.hcl-software.com/>.**