AKAMAI PRODUCT BRIEF

API Security

Akamai API Security is the intelligent way to protect your APIs from business logic abuse and data theft

API threats are evolving

APIs drive your business every day — connecting it with partners, suppliers, and customers. But every API also expands your attack surface, and threat actors know it. API attacks are growing and evolving fast, often in ways your web application and API protection may not detect. And without a comprehensive inventory of your APIs, your team will have a blind spot and your organizations' APIs will be unprotected.

Why Akamai API Security?

Our platform protects APIs throughout their entire lifecycle, from development to production. Built for organizations that expose APIs to partners, suppliers, and users, API Security discovers your APIs, understands their risk posture, analyzes their behavior, and stops threats from lurking inside.

API Security's critical capabilities

Discovery

It's not uncommon to have APIs that no one knows about. Without an accurate inventory, however, your business is exposed to a range of security risks. Stop the guesswork and let us help you:

- Locate and inventory all your APIs regardless of configuration or type, including RESTful, GraphQL, SOAP, XML-RPC, JSON-RPC, and gRPC
- Detect dormant, legacy, and zombie APIs
- Identify forgotten, neglected, or otherwise unknown shadow domains
- Eliminate blind spots and uncover potential attack paths

Testing

Applications are being developed at the fastest pace we've ever seen. Which means it's easier for a security vulnerability or design flaw to go undetected. Take advantage of our API security testing suite to:

- Automatically run 150+ tests that simulate malicious traffic, including the OWASP API Security Top 10 threats
- Discover vulnerabilities before APIs enter production to reduce the risk of a successful attack
- Inspect your API specifications against established governance policies and rules
- Run API-focused security tests on demand or as part of a CI/CD pipeline

BENEFITS FOR YOUR BUSINESS

Discover
Understand your API attack surface. Reduce the costs of API inventories and documentation updates. Improve compliance with regulatory requirements and internal policies.

Test
Reduce remediation costs by finding issues earlier. Improve code quality without sacrificing speed. Increase revenue by accelerating time to market.

Detect
Gain critical business context by learning exactly what happened. Deduce why it is a problem and uncover its potential impact. Determine how you should remediate.

Respond
Reduce risk by stopping attacks immediately. Reduce costs by remediating vulnerabilities before exploitation. Reduce lost revenue from downtime.

Akamai

Detection

Simple API misconfigurations can leave you defenseless against cybercriminals. Once inside, hackers can quickly access and exfiltrate your sensitive data. Use our platform to:

- Automatically scan infrastructure to uncover misconfigurations and hidden risks
- Create custom workflows to notify key stakeholders of vulnerabilities
- Identify which APIs and internal users are able to access sensitive data
- Assign severity rankings to detected issues to prioritize remediation

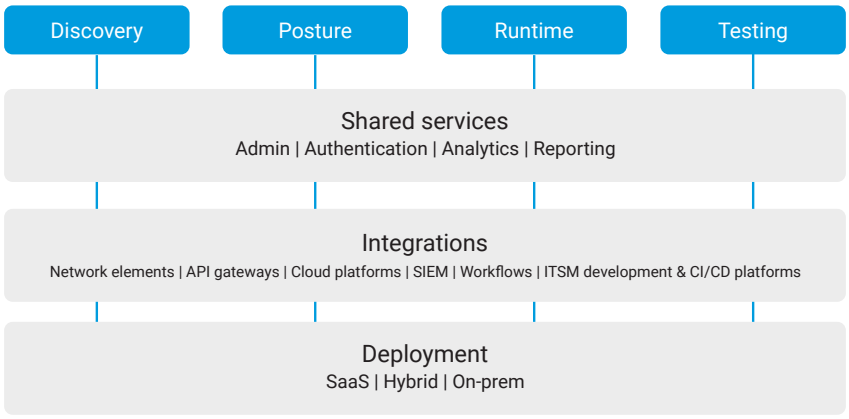
Response

It's no longer a question of if but when your organization will be attacked, which means you need to be able to detect and block attacks in real time. Use our artificial intelligence/machine learning–based anomaly detection to:

- Monitor for data tampering and leakage, policy violations, suspicious behavior, and API attacks
- Analyze API traffic without additional network changes or difficult-to-install agents
- Integrate with existing workflows (ticketing, security information and event management [SIEM], etc) to alert security/operations teams
- Prevent attacks and misuse in real time with partial or fully automated remediation

The Akamai difference: Block at the edge

Akamai App & API Protector discovers and mitigates API threats for apps and APIs running through Akamai Connected Cloud and can block any traffic that contains potential threats uncovered by API Security. When deployed together, Akamai's API protections offer comprehensive and continuous visibility into APIs, and allow you to discover, audit, detect, and respond to API security concerns across the full application estate.



Want to see how API Security works? Go to akamai.com/apisecurity and schedule time with our team.

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