



API Security

Visibility. Posture. Detection. Testing.



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Applications are at the center of **everything** we do.

We protect the applications
you build **everywhere**,
every time without
compromising performance
or customer experience.



Securing Applications Is Harder Than Ever



5.8B

Users on the Internet

75B

IoT Devices by 2025

8.9M

Mobile Applications
Downloaded Worldwide



\$57B

Open Banking
Transactions

\$3.2T

Spent Online
(Consumer Goods)

1.5B

Viewers of 2023
FIFA World Cup

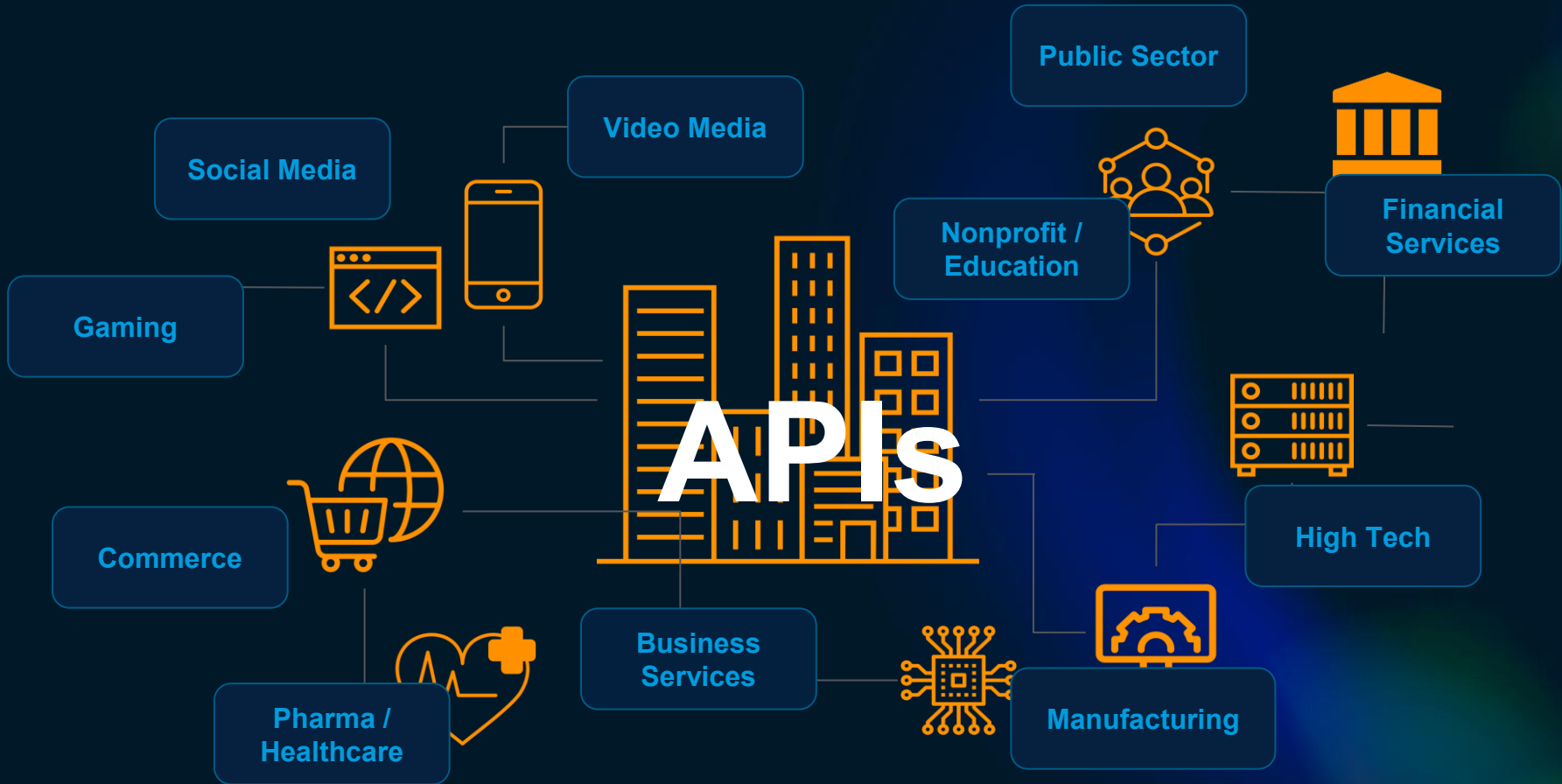
1061

Average Apps
Per Enterprise

With applications running your business, vulnerabilities multiply as the ecosystem becomes **more complex.**

Resulting in an **ever-growing attack surface.**

APIs Are Everywhere...



Akamai's Approach:

Defense in Depth



Protect client Apps from compromise

Defend Apps from unavailability

Protect Apps from OWASP, Bot, and API attacks

Defend APIs from attacks within the perimeter

Defend Apps against abuse and sensitive data exposure

APIs Enable Apps Everywhere

Open Internet, Employees, Suppliers, Partners, IoT



Check in for
a flight



Order
a Car



Use
Maps



Check the
Weather



Order
Coffee



Log in to Social
Media



**Massive
Attack
Surface**

31% of all traffic
protected by Akamai
is API traffic

Challenges with Securing APIs

Visibility, posture, detecting abuse, testing

Diverse
Environments and
Integrations

Variety of
Potential Threats

Immature
Industry
Standards

Complexity of
Modern
Applications

Authentication and
Authorization
Complexity

Versioning and
Deprecation of
APIs

Rapid
Development and
Deployment
Cycles

Exchanging
Sensitive
Data

Third-Party
Dependencies

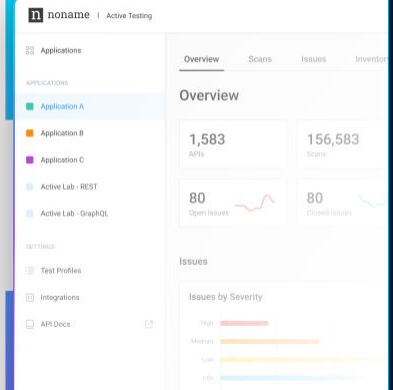
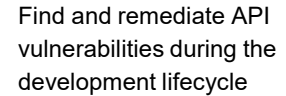
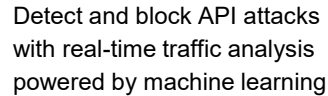
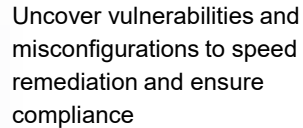
= Risk

*Akamai's data shows
109% year-over-year
growth in API attacks*

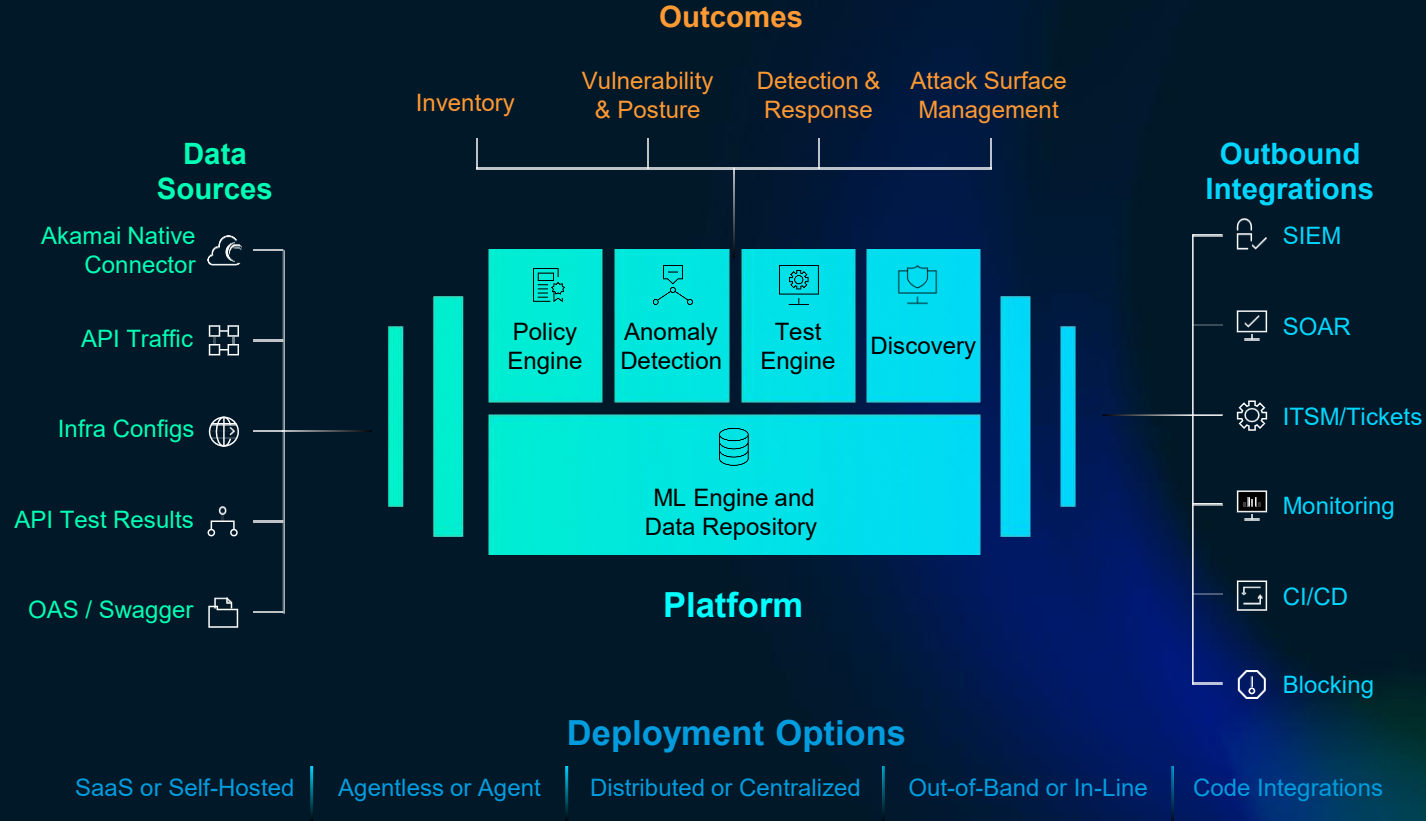


**You can't
protect what
you can't see**

Automatic and continuous cataloging of your APIs, sensitive data, and related risk, created from both internal and external perspectives



API Security Architecture



API Coverage Requires Defense-in-Depth

Protection, discovery and governance








App & API Protector

-  Request Constraints
-  Basic API Discovery
-  WAF Protections
-  Basic PII Detection
-  Rate Limiting
-  Alerts
-  Reporting

API Gateway

-  Policy & Routing
-  API Management
-  User Authentication/Authorization
-  Global User Quotas

API Security

-  API Discovery
-  Attack Detections
-  Advanced detection of sensitive information
-  OWASP API Top 10 protection
-  Shift Left with API testing
-  API Risk Scoring
-  API Exposure Monitoring

Defense-in-Depth



Gracias!