

PRODUCT BRIEF

KEY FEATURES

- **Unified Control** – Layer7 API Security lets you manage modern RESTful endpoints for secure, seamless communication with REST API legacy systems.
- **Granular Access** – Implement enterprise-grade access management with single sign-on (SSO) and multi-factor authentication (MFA), including biometrics and deep, fine-grained authorization for your APIs.
- **Life Cycle Optimization** – Built-in health tracking metrics with support for popular API tools and CI/CD pipeline integration empower streamlined API management. Leverage powerful modern GraphQL management interfaces for added efficiency and flexibility.
- **Developer and Partner Hub** – A customized developer experience allows auto-documentation to publish and discover APIs through a secure, centralized hub. Automate documentation, comprehensive analytics, and provide secure mobile SDKs for developer and partner success.

Layer7™ API Security

The Industry's Leading Platform for Enterprise-Scale API Security

Overview

As businesses open their doors to partners, developers, and the cloud, APIs are becoming the crucial key to unlocking data and applications. However, secure and efficient information sharing requires tackling challenges in security, performance, and data adaptation.

For more than two decades, Layer7™ API Security simplified this, offering a comprehensive solution that seamlessly integrates back-end systems, optimizes for mobile access, orchestrates cloud deployments, and empowers developers. Layer7 API Security is the one-stop shop for mastering the full spectrum of enterprise API security, including management, operations at scale, and API Management.

Layer7 API Security

API management has evolved to prioritize secure environments across the entire API life cycle. This encompasses both provisioning and consumption:

- **Provisioning – Build, deploy, and manage API traffic.** Enterprises navigate a continuous cycle of API strategy, design, creation, orchestration, protection, testing, deployment, promotion, and monitoring. Layer7 API Security empowers each stage with security, scalability, and manageability at its core.
- **Consumption – Discovery, acquisition, and utilization by developers and consumers.** Developers leveraging APIs follow a parallel cycle of designing, building, launching, and iterating their applications. Layer7 provides a reliable mobile data infrastructure, streamlined onboarding, and functionalities to accelerate and improve mobile and IoT development.

API solutions should provide functionality across all these areas. Ideally, a solution offers tools with clear benefits for all stakeholders:

- Enterprise architects – Secure and scalable API infrastructure
- Security specialists – Robust security controls throughout the life cycle
- Product managers – Efficient API creation and management for faster rollouts
- Application developers – Streamlined access and tools for mobile and IoT development
- Business executives – Data-driven insights and improved development agility

As a recognized leader in the field, Layer7 API Security offers industry-leading products that accelerate and empower security across the full API life cycle, including ongoing API intelligence and monitoring.

CRITICAL DIFFERENTIATORS

Advanced Security – Layer7 shields your APIs against known threats, including built-in protection against the OWASP Top 10. SSO and identity management ensure end-to-end access control, securing apps, mobile, and IoT across the board.

Unparalleled Scalability – Throttle, prioritize, cache, and route traffic for peak performance. Scale dynamically to meet your evolving needs, never encountering bottlenecks. Layer7 is licensed not to punish API growth with increasing costs.

Deployment Freedom – Choose your deployment model: on-premises, SaaS, or hybrid. Layer7 API Security adapts to your infrastructure with a wide range of form factors, including hardware, software, virtual environments, and containers. In public or private clouds, the same configuration can be enforced.

Event-Driven Power – Supports multiple protocols and transports such as MQTT, IMS, and Websockets, enabling a vast array of event-driven application use cases.

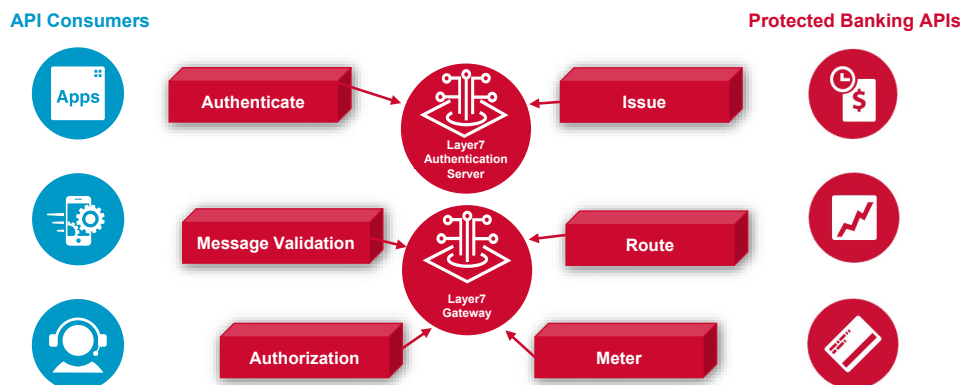
Effortless Management – The Layer7 intuitive visual interface simplifies API creation and complex security policy setup. Integrated testing and monitoring tools keep your APIs under constant watch, ensuring a seamless API life cycle.

Product Overview

The following table shows the capabilities of Layer7 API Security.

Layer7 API Security Capabilities	
API Security	<ul style="list-style-type: none"> Advanced security profile and Zero Trust through identity security Certified API infrastructure for high-value APIs, allowing advanced security orchestration Advanced security, integration, and transformation policy driven solution Powerful message and security introspection and transformation OWASP API security Top 10 vulnerabilities defense Secure API firewall and gateway security Mobile and IoT security with Full OAuth and OpenID stacks Common Criteria Certification FIPS 140-2 compliant STIG hardened
APIOps at Scale	<ul style="list-style-type: none"> Centralized governance for all API security stakeholders Automatic application of security across multiclouds X-Region API metering Configure once, deploy anywhere Cloud-native deployments using Helm or Operator Extreme performance at enterprise scale Observability using OpenTelemetry
API Management	<ul style="list-style-type: none"> Securely manage APIs as products Compliance enforcement and secure constant control of API Customized developer user experience API documentation API business monitoring Control API access across multiclouds API discovery API acceleration with compression, caching, and aggregation to optimize throughput Protocol orchestration, adaptation, translation, and composition
API Intelligence	<ul style="list-style-type: none"> Business insights from APIs usage Respond to threats and vulnerabilities Feed AI engines with context-enriched API traffic metadata Insights go beyond the API Deep-level security enables business and security insights
Supported Standards	XML, JSON, YAML, SOAP, REST, GraphQL, XPath, XSLT, XML Schema, LDAP, RADIUS, SAML, XACML, OAuth 2.0, PKCS, Kerberos, X.509 Certificates, FIPS 140-2, XML Signature, XML Encryption, JWT, JWS, JWE, JWKS/TLS, SNMP, SMTP, POP3, IMAP4, HTTP(S), MQ Series, Tibco EMS, Raw TCP, FTP(S), WS-Security, WSTrust, WS-Federation, WS-SecureExchange, WS-Addressing, WS-Policy, WS-SecurityPolicy, WSPolicyAttachment, MTOM, S/MIME, IPv4, IPv6, WCF, MQTT, RabbitMQ, Kafka, JMS, Websockets

Figure 1: Securing APIs



For more information about Layer7 API Security, please visit www.broadcom.com/layer7



For more information, visit our website at: www.broadcom.com