

API Gateway

API Management Reimagined for the Edge

SOLUTION OVERVIEW FOR AKAMAI CONNECTED CLOUD

What is an API Gateway?

An API gateway is a management tool that sits between clients and backend services, handling API requests, authentication, security, traffic control, and performance optimization. It simplifies API management by centralizing key functions like rate limiting, traffic policies, and monitoring. Businesses use API gateways to improve security, enhance scalability, reduce backend complexity, and ensure reliable, high-performance API interactions.

Why use an API Gateway?

> Security & Access Control

An API gateway centralizes authentication, authorization, and rate limiting to protect backend services from unauthorized access, DDoS attacks, and API abuse.

> Scalability & Performance Optimization

By handling traffic routing, caching, and load balancing, an API gateway improves API response times and ensures seamless scalability under high demand.

> Observability & Governance

Enterprises gain real-time logging, analytics, and policy enforcement to monitor API usage, troubleshoot issues, and ensure compliance with internal and regulatory standards.

Introducing Akamai AI and API Manager (AAM)

AAM is a developer-first, serverless API gateway solution that simplifies API management. It removes infrastructure complexity, enabling fast deployment and scaling with enterprise-grade performance, security, and flexibility.

> Bank-Grade Security

SOC 2 Type 2 certified with OAuth, JWT, mTLS, and fine-grained authorization policies.

> Programmable Gateway

Fully programmable, GitOps-enabled, and customizable for RBAC, quotas, and rate limiting.

> Reliable Documentation

OpenAPI-aligned documentation prevents API drift, reduces errors, and boosts conversion and developer satisfaction.

> Real-Time Performance

Ultra-low latency and up to five 9s availability powered by a globally distributed edge architecture.

> Revenue-Driven API Strategy

Monetize APIs effortlessly with self-service portals, API keys, and analytics, driving up to 10x conversion rates.

> Fully managed

AAM can be deployed as a fully managed service on Akamai Connected Cloud.



AI and API Manager

Built into Akamai Connected Cloud

SOC 2 Type 2

OAuth

JWT

mTLS

GitOps