

# Akamai API Gateway

Scale access and simplify policy controls for APIs



## The Challenge of Scaling and Managing APIs

APIs empower you to enable new business models, monetize data, and increase collaboration with partners, thus putting them at the center of every digital experience. Beyond enabling new business opportunities, APIs can also increase your threat surface, and a lack of appropriate API authorization, authentication, and quota management policies can expose you to downtime and misuse.

## Introducing Akamai API Gateway

The Akamai API Gateway governs your API traffic by authenticating, authorizing, and controlling requests from API consumers. It leverages Akamai's cloud delivery platform that delivers over 445 billion API hits a day and maximizes your scalability and reliability. This allows you to spend more time focusing on API strategy, design, and implementation, instead of building and maintaining management infrastructure.

## Key Capabilities

Pushing API logic to the edge yields a number of advantages:

### Scalable Access Control

- Validate JSON Web Tokens (JWT) and API keys at the edge to maximize scalability and reduce infrastructure buildout
- Reject unauthorized requests before they reach your origin
- Simplify API key lifecycle management

### Quota Enforcement

- Set and enforce the number of API requests allowed per hour, per API consumer
- Enforce business SLAs and enable tiered access for APIs

### Developer Tools

- Use common API definition language documents to quickly deploy APIs on Akamai (Swagger and RAML)
- Automate management of API Gateway via rich set of administrative APIs
- Define caching and delivery rules for each API (independently from your domain's overall configuration on Akamai)

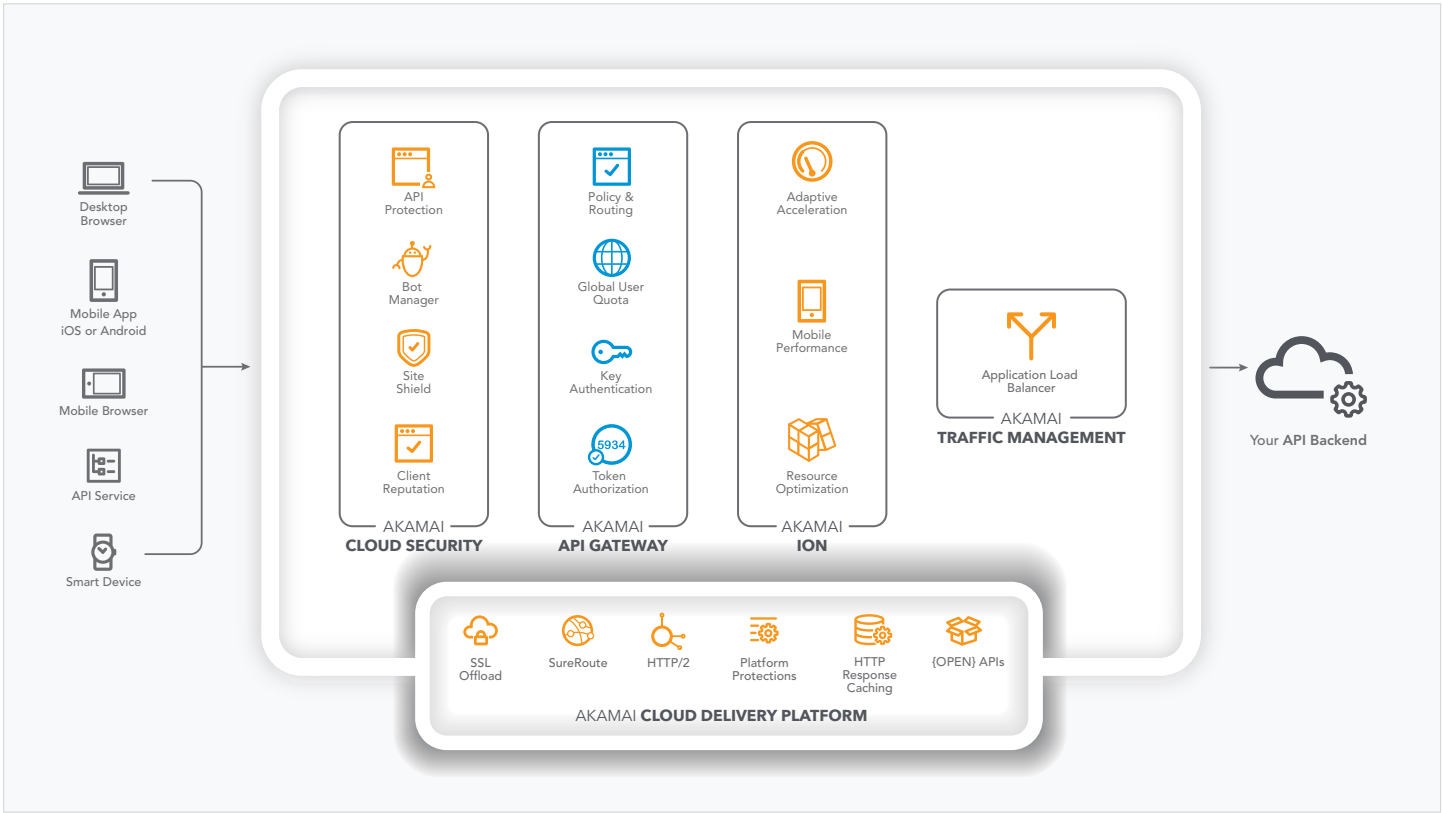
### Seamless integration with Akamai Intelligent Platform™

- Protect APIs from malicious traffic with Kona Site Defender and Bot Manager
- Equip APIs with routing and protocol optimizations
- Improve reliability with traffic management solutions

## Why Akamai

By delivering 95 exabytes of data over billions of devices a year, and delivering more than 445 billion API interactions a day, Akamai provides the world's largest and most trusted cloud delivery platform, making it easier to provide the best and most secure digital experiences on any device, anytime, anywhere. With the broadest array of best-in-class cloud delivery products and services, including superior web and mobile performance, cloud security, enterprise access, and video delivery solutions — all underpinned by exceptional customer service and 24/7 monitoring — you can count on our people and technology to support you every step of the way.

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As the world's largest and most trusted cloud delivery platform, Akamai makes it easier for its customers to provide the best and most secure digital experiences on any device, anytime, anywhere. Akamai's massively distributed platform is unparalleled in scale, giving customers superior performance and threat protection. Akamai's portfolio of web and mobile performance, cloud security, enterprise access, and video delivery solutions are supported by exceptional customer service and 24/7/365 monitoring. To learn why the top financial institutions, online retail leaders, media and entertainment providers, and government organizations trust Akamai, please visit [www.akamai.com](http://www.akamai.com), [blogs.akamai.com](http://blogs.akamai.com), or [@Akamai](https://twitter.com/Akamai) on Twitter. Published 07/18