SCALING MICROSERVICES

Reference Architecture

Overview

Edge servers automatically drop network-layer DDoS attacks and protect the application layer from DDoS and application attacks. API Gateway provides governance by authenticating, authorizing, and controlling API requests to help manage access and consumption. Flexible quotas and throttling limits ensure every microservice can be scaled independently while protecting your origin from overconsumption.

Easily onboard APIs on the Akamai platform with API definition files. Automate gateway operations with a rich set of administrative APIs and CLI.

Application-specific caching and routing rules enable teams to release independently of each other, facilitating continuous integration and rapid innovation. Responses can be served from cache to improve performance and reduce infrastructure and bandwidth costs.

Application-layer load balancing provides instant failover and application-layer awareness in load-balancing decisions to provide high-availability services in a flexible cloud architecture.

KEY PRODUCTS

Protect ▶ Kona Site Defender or Web Application Protector
Govern ▶ API Gateway
Scale ▶ Ion or Dynamic Site Accelerator
Load balancing ▶ Application Load Balancer

Consumers access your API through the Akamai Intelligent Edge Platform.

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