akana

PERFORCE

Akana API Gateway: Simplified Security & Management

Simple and Comprehensive API Gateway Management

Akana's API gateway allows you to develop, secure, manage, and monitor your APIs across multicloud, hybrid cloud, and on-premises environments.

Akana's API gateway is a critical component of the Akana platform. It provides the easiest way to transform your enterprise without sacrificing speed. How? Akana simplifies creating and managing the API interaction layer. This means you can deploy anywhere with advanced security.

Simplified Security and Multicloud Management

Organizations are rapidly adopting APIs to deliver services through mobile, cloud, web, IoT, and even machine learning algorithms. It is easier than ever to expose and consume these services via APIs. Yet enforcing security policies, monitoring services continuously, and ensuring performance can each pose challenges in a modern enterprise. How does the Akana API gateway solve these challenges?

Unified and Comprehensive Platform

The API gateway offers a unified platform covering all aspects of APIs. Whether on-premises, multicloud, or a hybrid-cloud, you can put the API gateway anywhere and manage it centrally.

Akana's API gateway provides the following:

- Enhances cloud-native deployments, allowing you to leverage technologies like Kubernetes and Docker to scale digital transformation initiatives faster.

- Allows you to choose how and where you deploy, on-premises or in the cloud, to best meet the needs of your business.

- Helps you avoid vendor lock-in and maximize the benefits of cloud deployments. And you'll also have the benefits of a fully-featured full lifecycle API management platform.

Security and Threat Prevention

The API gateway secures your APIs and protects against unintentional abuse, user error, intentional attacks, and authentication loopholes. It offers the power to protect your data confidently and effortlessly.

AUTHENTICATION AND AUTHORIZATION

- Use a wide array of authentication and authorization schemes, standards, and token types. This includes OAuth, OpenID Connect, SAML, Kerberos, WS-Security, LDAP and XACML.
- Integrate with Akana's OAuth Server to provide seamless JWT token validation.
- Built-in PKI to create, manage, and distribute public/private key pairs, integrate with existing PKI solutions. Supports HSM integration.

TRANSPORT AND MESSAGE-LEVEL SECURITY

- Support SSL as well as message-based encryption and decryption using the XML-Encryption standards.
- Configurable to meet PCI DSS 3.0 certification based on implementation
- Built-in certificate authority features.

STANDARDS SUPPORT

- Digital signatures, HMAC, HTTP Basic, Kerberos, LDAP, OAuth 1.0a, OAuth 2.0, RSA, SAML 1.1, SAML 2.0, SHA-1, SHA-2, SSL Client Authentication, WS-Security, WS-Trust, X.509 certificates, XACML, OpenID, OpenID Connect.

THREAT PROTECTION

- Protect APIs against unintentional abuse or intentional attacks through a content firewall, validated message content including XML and JSON data structures, OOTB policies for XML and JSON DoS.
- Protection against viruses in attachments and other binary content via ICAP integration with leading anti-virus engines.
- Prevent denial-of-service attacks with quota management and white/blacklisting.

Integration, Mediation, and Transformation

Unlike many API gateway solutions, ours is more than an API proxy. It provides an actual API mediation layer to protect enterprise systems and data. Let Akana be your runtime gatekeeper and do the heavy lifting:

- Integrate applications and services with APIs.
- Mediate messages between layers and route based on message content, headers, and identity.
- Transform your APIs, from SOAP to REST (and vice versa) — and beyond.

API and Service Governance

Get the tools to create the innovative APIs that drive business forward. Our gateway does the heavy lifting to build and run APIs.

- **Define and Manage APIs** – Create APIs with multiple interfaces using different standards including REST/XML, REST/JSON and SOAP with no extra development effort.
- **Contract Management** – Manage relationships between service consumers and providers.
- **Value Management** – Measure and manage the value and effectiveness of APIs in the organization. Assign real or arbitrary value to service transaction for billing or tracking purposes.

An API Gateway You Can Rely On

Akana's API gateway was built as a no-hassle solution. Between the security features, multicloud integration, and thorough documentation there are plenty of reasons so many Fortune 500 companies choose Akana. Start your free 30-day trial of Akana anytime.

START FREE TRIAL