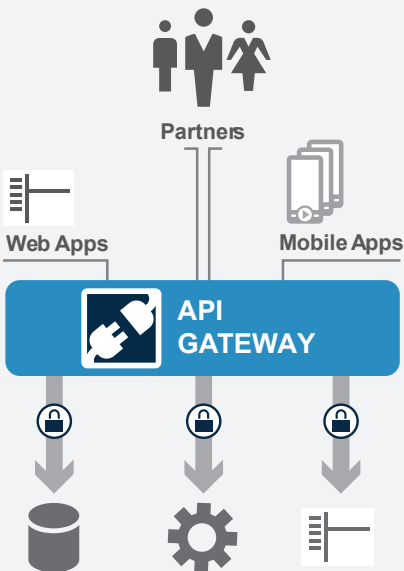


API Gateway

The API Gateway streamlines security, development, operation and management of APIs and SOA services on-premise, in the cloud, or in a hybrid combination. The API Gateway also enables enterprises to rapidly publish their internal services and APIs to a cloud hosted developer community, significantly reducing time and cost to market. The developer community allows enterprises to attract, manage, and support the developers that build Apps using their APIs.



AKANA API GATEWAY

Simplified security and management

Organizations are increasingly adopting APIs to deliver services through mobile, cloud and web channels. However, while it is becoming easier to expose and consume these services through APIs, enforcing consistent security policies, monitoring these services on a continuous basis, ensuring performance and high availability through a single integrated solution for both APIs and SOA services is often complex and time consuming.

Unified and Comprehensive Platform

The API Gateway is a single unified platform covering all aspects of API and SOA delivery requirements, on premise or in cloud.

- API Native and SOA Native – The only platform that supports both APIs and SOA natively, reducing the cost of management and development across all API and SOA initiatives across your enterprise
- On-premise or in the Cloud – You can choose how and where you deploy to best meet the needs of your business

Security and Threat Prevention

The API Gateway lets you secure your APIs, protecting sensitive data while allowing access to authorized Apps and users.

- Support authentication and authorization for all APIs and Services, including OAuth, OpenID, OpenID Connect, SAML, Kerberos, WS-Security, LDAP and XACML
- Support for all major security standards, including WS* and WS-I
- Integrate with Akana's OAuth Server to provide seamless 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
- Detect and prevent Denial of Service (DoS) attacks, malformed messages or excessive XML/JSON depth and breadth. Detect and prevent SQL, JavaScript or XPath/XQuery injection attacks
- PCI DSS 3.0 Certified

Integration, Mediation and Transformation

The API Gateway lets you deliver the right API regardless of the service type you're starting with:

- Bi-directional protocol transformation – Convert existing SOAP or Plain-old-XML (POX) over MQ or JMS services into RESTful APIs with XML and/or JSON content
- API & Message Routing – Route based on message content, headers, identity and other factors
- Virtualization and Aggregation – Use virtualization to remove operations, aggregate multiple backend APIs or services, perform mediation, or composition — without writing code.
- Composition, Orchestration and Message Enrichment – Use the Web-based GUI to define reusable processes and sub-processes for API composition or message enrichment. Author reusable scripts using a variety of languages (e.g. JavaScript, Groovy, Jython, BeanShell) and embed them within processes

Analytics and Monitoring

The API Gateway lets you monitor your API and Services operations and analyze API usage for insight.

- Real-time system monitoring – Use the Web-based dashboards to get real-time visibility into service and API performance, dependencies, and alert status
- Alert Management – Powerful alert management, monitoring, and distribution. Leverage alerts within compositions to control message routing, enforce SLAs or perform other runtime activities
- Reporting – Dashboards and out-of-the-box reports provide visibility into the performance of APIs and services from different perspectives, including department, partner, application contract, API/service or operation

Developer Community

Akana's API Gateway provides a sophisticated developer community product to help enterprises attract, manage, and support the developers that build Apps using their APIs.

- Publish APIs & Services – After you've created your API, the developer web portal allows to actively engage developers
- Social Interaction – Integrated forums for finding information, alerts, discussions, trouble tickets and workflow requests for all resources
- API & App Visibility – Allow users to create public resources that they can promote and market, or private resources to support beta or development uses, or for sensitive business applications
- API Documentation – Upload and manage various types of API documentation and associated table of contents

API and Service Governance

Does the heavy lifting to help build and run APIs. Get the tools to create the innovative APIs that drive business forward.

- 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 SOA in the organization. Assign real or arbitrary value to service transactions for billing or tracking purposes
- Comprehensive Integration with Akana's Lifecycle Manager – Control the service production and consumption process from requirements definition to development