

PRODUCT BRIEF

End-to-End API Management Solution

The Akana Platform provides an end-to-end API Management solution for designing, implementing, securing, managing, monitoring, and publishing APIs. It's available as a SaaS platform, a suite of on-premises products, and as a hybrid deployment.

The Akana Platform features:

- API Design
- API Security
- Traffic Management
- Mediation and Integration
- Developer Portal
- Lifecycle Management
- API Analytics
- Flexible Deployment



API DESIGN

With the comprehensive API design platform, you can use a graphical tool to design your API from scratch or you can import an API descriptor language of your choice. Once you have your design complete, the platform automatically generates all the common API descriptor documents for you.

- Graphical API design – Define your API with an intuitive graphical tool that allows you to simultaneously design and document the API both for execution in the API Gateway and publication in the API Portal
- Import and automatic generation of common descriptor languages – Allow your API developers and administrators to publish APIs using the descriptor language they prefer, and your developer community to consume APIs using the descriptor of their choice. Supports: Swagger, RAML, WADL, and WSDL

- Integrated lifecycle management – Provide just the right amount of control over the SDLC

API SECURITY

Letting you secure your APIs and protect sensitive data, while allowing access to authorized apps and users.

- Rich authentication and authorization capabilities including: OAuth, OpenID - Integrated STS, SAML 1.1/2.0, and JWT
- Built-in access control system and integration with leading identity and access management providers built-in PKI and key distribution model including comprehensive HSM integration
- Comprehensive OAuth provider and client – Use your existing enterprise security systems to create an OAuth authorization server so users can manage access rights for their own data

TRAFFIC MANAGEMENT

Control the flow of traffic through your APIs with a rich set of routing and quality-of-service capabilities.

- Throttling – Control how much traffic each app can send to your API with throughput, bandwidth, and concurrency policies for each app
- SLA reporting and enforcement – Define, monitor, and enforce service-level agreements for each app consuming your APIs
- Global traffic management – Deploy API endpoints globally using our GTM solution to route traffic to the closest endpoint

MEDIATION AND INTEGRATION

With seamless mediation capabilities, Akana Platform allows you to create modern, well-structured APIs from legacy assets with ease. It provides declarative mediation out of the box and includes a comprehensive orchestration capability where needed to create APIs from multiple backend sources.

- SOAP to REST – Quickly and easily take existing SOAP services and generate REST/JSON APIs
- Security policy – Seamlessly manage the mediation between security policies, e.g. creating a REST/JSON API using OAuth from a SOAP Service with sophisticated WS-Security policies
- Orchestration – Create APIs from scratch, or by integrating multiple services together with a graphical process designer
- Transformation – Map content from one object type to another with both declarative (XML->JSON) and prescriptive (XSL-T, FreeMarker) models
- Scripting – Write and deploy code in Jython, Beanshell, Java, or Javascript to augment your policies or Orchestrations

DEVELOPER PORTAL

A turnkey developer portal provides a social platform for API developers to design and document their APIs,

and app developers to find and consume APIs. Akana is ideally suited to connect with different audiences.

- Internal – Using the default theme, quickly deploy a turnkey, customizable, and brandable portal catering to the needs of both API and app developers
- B2B – Leverage the integrated role-based access control (RBAC) in the default theme, along with the ability to host the portal both internally and externally for different roles, to quickly enable a partner community for internal API developers to interact directly with external app developers
- Consumer – API development happens internally using the turnkey default theme, and external developers are supported via a range of models, including branding and configuring RBAC in the default theme, using the simplified, turnkey developer theme, and by leveraging the Akana plugins in an off-the-shelf portal

LIFECYCLE MANAGEMENT

Built on top of a fully featured lifecycle management system, Akana helps ensure that you are building the right APIs, that you are building them correctly, and that they are meeting the needs of your business.

- Asset version control – Fully customizable workflow for APIs, apps, and other assets. Multi-level approvals as needed, with full decision auditing
- DevOps automation – Deep integration with common DevOps platforms such as Jenkins, JIRA, and GitHub, to enable agile processes while retaining control
- Asset relationship visualization – Visualize how assets (requirements, models, schemas, services, APIs, apps, etc.) relate to each other to fully understand the potential impact of any change or issue

API ANALYTICS

The powerful analytics engine is built using a massively scalable, globally distributed noSQL store that is architected to meet international data privacy standards.

- Operational analytics – Monitor the performance and availability of your APIs, watch for trends, and detect risk as it happens
- Developer analytics – Track how developers are using your APIs, which packages, versions, and offers they use the most, and gain valuable insights into how you can improve your API programs
- Business analytics – Build dashboards that show how your APIs are impacting your business, identify high-impact area

FLEXIBLE DEPLOYMENT

The only product that is equally at home in the cloud and on-premises, the Akana Platform is available as SaaS, on-premises, and hybrid deployment options.

- SaaS – A global, on-demand, multi-tenant infrastructure. Fully managed so you never have to worry about performance, capacity, availability, security, upgrades, or any of the normal concerns with running your own infrastructure
- On-premises – A proven API platform of choice for large enterprises, its ease of installation and upgrade are major advantages
- Hybrid – We offer a true hybrid model where customers can run their own API brokers either on-premises or as an AWS AMI, leveraging the Akana Platform in the cloud to manage these brokers and provide the central developer portal

REQUEST A DEMO

www.akana.com/demo