

API Management

Welcome to the API connected world
with webMethods

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APIs have become the standard way of connecting applications, data and devices in our increasingly connected economy. Whether you are exposing data and services in web apps, mobile apps, Internet of Things (IoT) sensors or other touchpoints, APIs are the foundation for your new business models. With Software AG's end-to-end API management platform, you can now safely and securely expose your APIs to your developer communities as well as manage the entire life cycle of your APIs.

API management, powered by webMethods, allows you to manage the entire process of planning, designing, developing and securely exposing your APIs to external developers, partners and other consumers. You can:

- Design and compose APIs
- Manage the complete API life cycle
- Protect and secure your APIs
- Catalog your APIs for discovery, reuse and life cycle management
- Engage with developers and partners
- Monitor the health of your APIs
- Control API access to microservices in a distributed environment

Key benefits

- Secure your APIs from malicious external attacks
- Understand API usage with analytics and reporting
- Reduce or eliminate the need for unnecessary holes in your firewall
- Protect consumers from underlying changes through API virtualization
- Implement a single solution for both internal and external APIs
- Scale API deployments rapidly with in-memory caching
- Leverage proven webMethods technology recognized by leading analysts
- Secure microservices through a highly efficient and fast-to-deploy microgateway with a very small footprint



Used for:

- Accelerating enterprise mobile strategy
- Improving customer experience
- Unlocking the value of your unique data and capabilities
- Reaching new customers

API Portal

Publish REST and SOAP APIs. Automatically sync API documentation between your API catalog and developer portal. Collect analytics at the portal to better understand your visitors and your portal usage. See which APIs are popular and which are not. Allow developers to read about, request access to, and test your APIs. Allow them to participate in your API community. Deploy the API developer portal in a public cloud, private cloud or in DMZ.

Change notifications

You can create a list of favorite APIs to track and receive notifications on any event that impacts them. These events could be life cycle events, such as when a new version of the API is available.

API Gateway

Security and authentication

Use policy-driven security to uniformly secure and monitor access to back-end services from apps using your APIs. You can support both transport and message-layer security, including authentication, authorization, digital encryption and digital signatures. You can optionally establish DMZ-strength security between consumer apps using your APIs and your internal servers.



Take the next step

Enter the API-connected world with Software AG's end-to-end API management platform today. Visit us at www.SoftwareAG.gov.com/products/webmethods/webmethods-api-management/

You do that by configuring the inner firewall to deny all inbound connections and instead use persistent connections opened from internal servers to access back-end services. This provides additional security by removing the need to open firewall ports.

Transformation and routing

Thanks to extensive support for mapping and transformation, your API consumers have flexibility in the protocols, message formats and transports they use.

API monetization

Enable monetization of APIs through enhanced API monetization features, including defining and managing API plans and packages. Define, publish and track usage in support of API subscriptions and charge-back services.

API Microgateway

Prevent main gateways from overloading and secure and manage your microservices across distributed environments. Benefit from very low runtime footprint and fast startup. Deploy in multiple form factors to support different scalability and management goals.

Multiple form factors

Provision webMethods Microgateway as a Java® instance or as a Docker® container with a micro-Linux® host.

Flexible deployment patterns

Choose between different levels of granularity and control. Benefit from a standalone or a sidecar deployment.

Seamless failover with service registry support

A service registry will enable you to automatically failover to another running instance if a microservice becomes unavailable.

Traffic monitoring and control

Log all traffic requests and responses for analysis, and apply limits to service invocations during a specific time interval for identified clients.

API Life Cycle Management

Manage the entire process of designing, developing, deploying, versioning and retiring APIs.

Life cycle models and versioning

Ensure standards and practices are followed as every API moves through its life cycle. You can do this by defining permissible transitions between states. With built-in versioning capabilities, you can define and track API versions. Multiple versions can coexist, and older versions can be retired over time.

Policy management

Design and configure policies to be applied to your APIs at runtime. A given policy can even be applied to multiple APIs at the same time and be dynamically scoped by naming patterns, categorization or organization, which saves time when making changes. You can use preloaded policies, including metadata validation, approval workflow and permission provisioning, or define custom policies.

Power analysis

Make sense of the complex interdependencies of APIs on various services and applications using an interactive graphical view of APIs and their relationships. Visualize the effects of changes beforehand to avoid undesired issues and complications. You can customize the view to restrict the set of APIs and associations shown to zero in on the details that interest you the most.

ABOUT SOFTWARE AG GOVERNMENT SOLUTIONS

Software AG Government Solutions delivers leading edge software that helps the Government connect existing, new and future technologies together whether on premise or in the cloud. Leveraging our Government Integration Hub, webMethods, and our strategic IT portfolio platform, Alfabet, along with our highly effective "Prove IT First and Prove IT Fast" approach to solving mission critical IT challenges, we specialize in helping customers optimize large scale, mission critical solutions across complex extended enterprises. Learn more at www.SoftwareAG.gov.com.

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