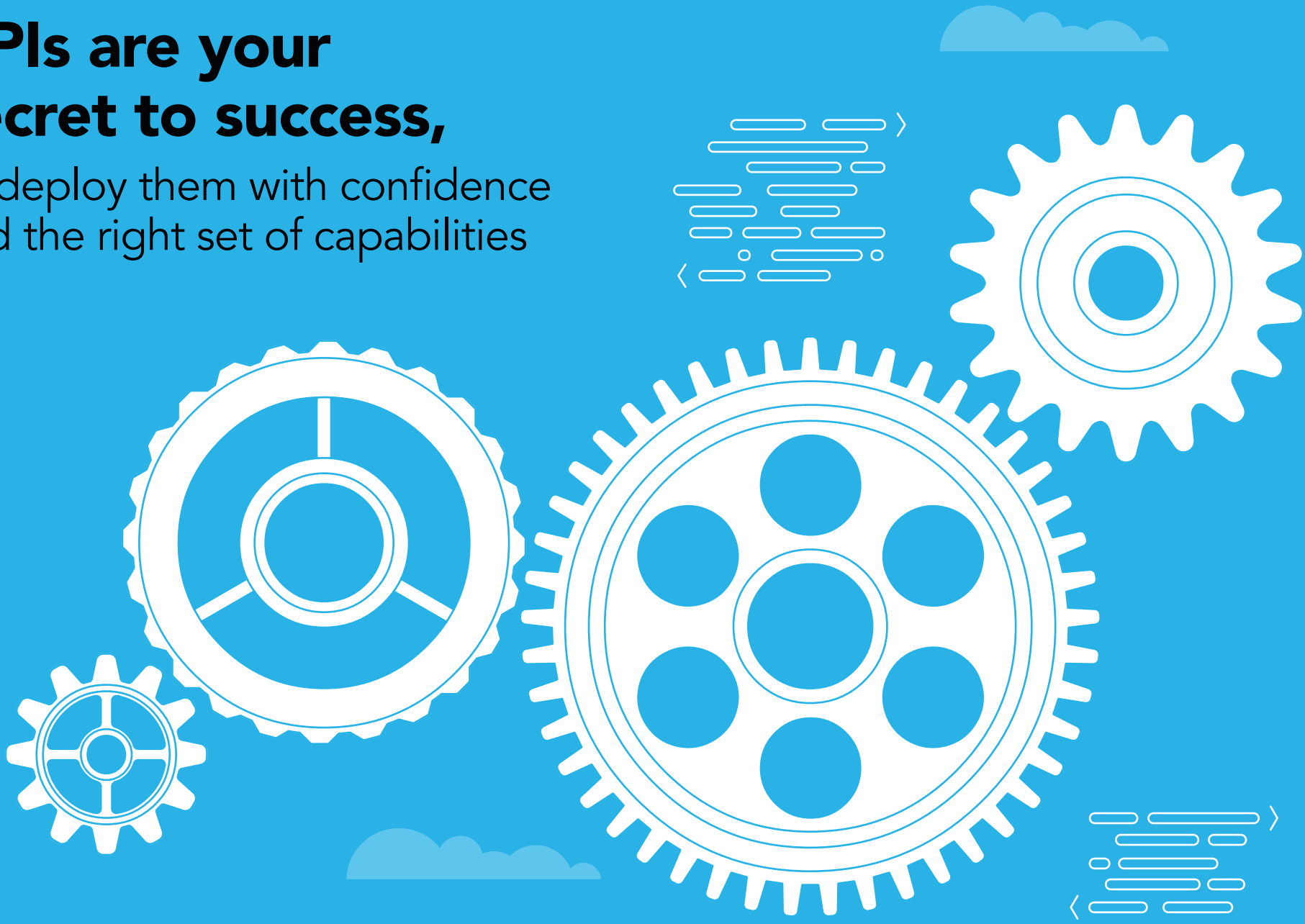
software AG
GOVERNMENT SOLUTIONS

Open your data with APIs

APIs are your secret to success,

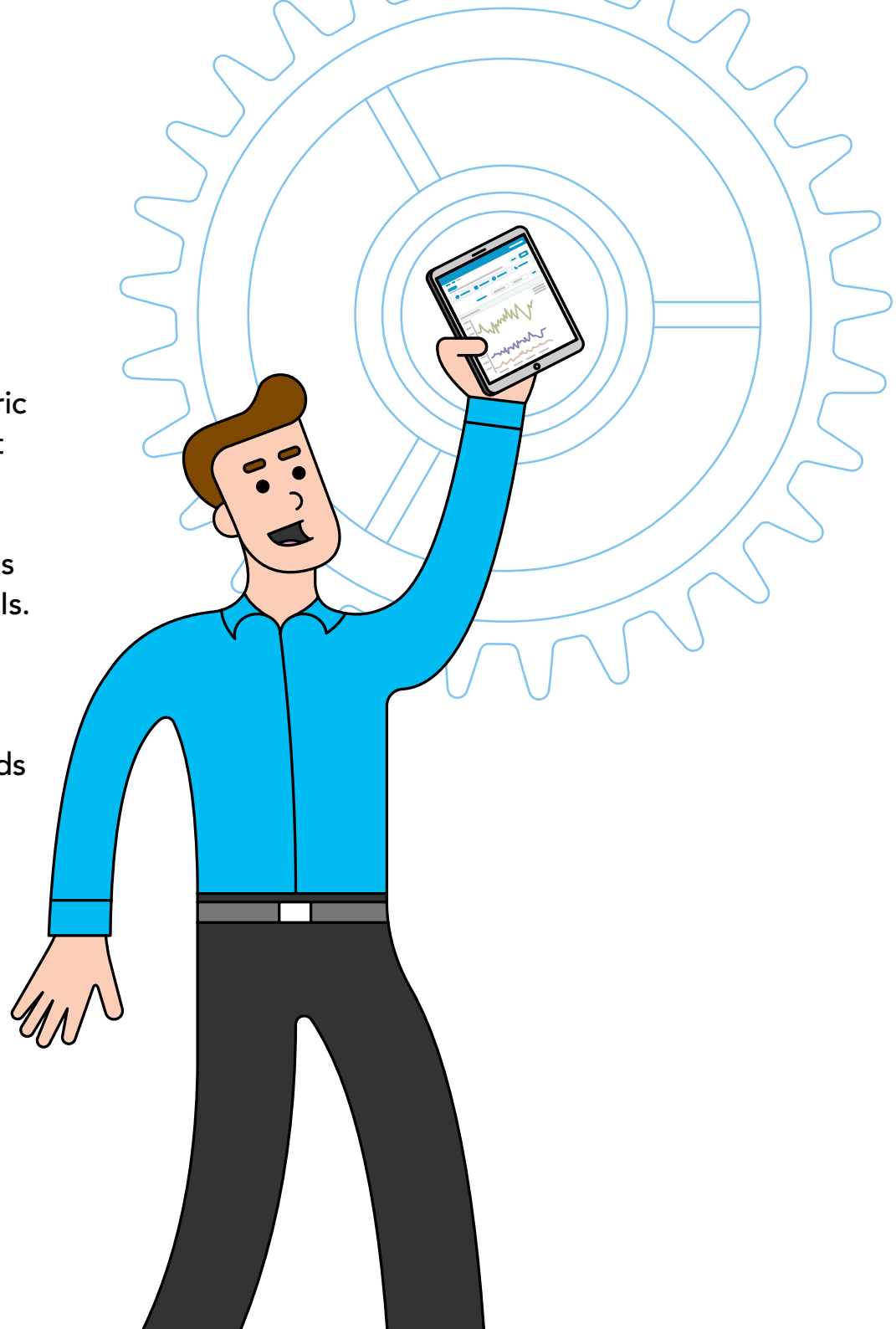
so deploy them with confidence and the right set of capabilities



What can APIs deliver for you?

APIs are sparking the creation of new apps, customer-centric development and the delivery of new business models that squash growth inhibitors and capitalize on the Internet of Things (IoT), hybrid integration—and mobile first. Consumption by internal and external stakeholders requires you to ensure the stability, reliability and quality of your APIs.

APIs are setting the stage for data to serve as your value creator. Organizations and government agencies are unlocking the value of data with Software AG's webMethods Integration and API management platform to improve efficiency and ultimately deliver innovation.



APIs: Securely open your data

With the #1 hybrid integration platform, webMethods

Manage

Manage your APIs from requirement to retirement

Standards

Support for the largest number of API standards

Single Gateway

Single gateway to secure access across all data transactions

Secure Access

No holes in the firewall with reverse proxy gateway

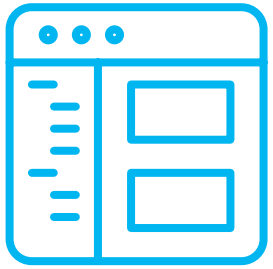
In Memory

In-memory data for low latency & high scale

1. API Portal

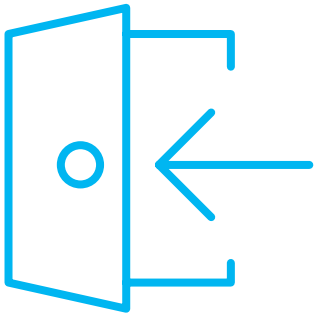
Publish REST and SOAP APIs.
Automatically sync your APIs between the API Portal and API Gateway. Collect analytics from the portal to better understand your visitors and your portal usage. Track the most used APIs. Allow developers to read about, request access to and test your APIs. Allow them to participate in your API community. Deploy the API developer portal in a public cloud, private cloud or in the DMZ.

Social ecosystem:
Track your favorite APIs and receive notifications on any event that impacts them including lifecycle events, such as when a new version of the API is available. Build your ecosystem of developers with commenting, ranking, and social engagement features.



API Portal

- Promote APIs
- Document usage
- Enable registration
- Community and collaboration
- Test APIs
- Build your ecosystem



API Gateway

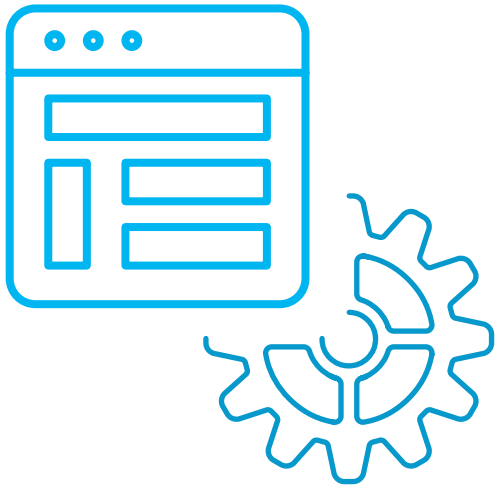
- Protect your APIs from unregistered usage
- Protect your back-end systems from malicious attacks
- Monitor and track usage for monetization and product improvement

2. 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. In addition, you can opt to establish DMZ-strength security between consumer apps using your APIs and your internal servers with Software AG's powerful "reverse invoke" technology for added security that removes the need to open firewall ports.

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

API monetization:
Make the most of your 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.



3. API Microgateway

Rapid development, rapid deployment. Continuous delivery, continuous integration. Today's shorter innovation cycles are driving the demand for scalable microservices built around business capabilities. Now you can secure API access to those microservices easily without worry using Software AG's API microgateway.

Designed to sit closer to business logic and protect it, webMethods Microgateway is independent—lightweight, agile and fast—and works with webMethods API Gateway or as a standalone solution to control API access to microservices in a distributed environment.

Highly efficient, the microgateway uses a very small footprint and it's fast to deploy. Gain the freedom you need to quickly innovate—choose from multiple form factors (standalone applications and Docker® container) and different deployment options. Support east-west traffic while preventing overloading main gateways.

Be more confident than ever in your APIs with webMethods API Gateway.

4. API Lifecycle Management

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

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. Customize your view to restrict the set of APIs and associations shown to zero-in on the details that interest you the most.

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 pre-loaded policies, including metadata validation, approval workflow and permission provisioning, or define custom policies.

Lifecycle models and versioning:
Ensure standards and practices are followed as every API moves through its lifecycle by defining permissible transitions between states. With built-in versioning capabilities, you can define and track API versions. Multiple versions can co-exist, and older versions can be retired over time.

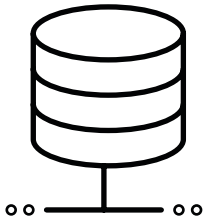
API Catalog

- Define your APIs
- Discover existing API assets
- Manage lifecycles
- Apply runtime governance policies
- Track dependencies

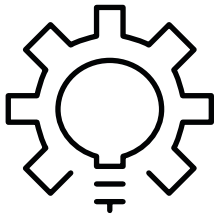
APIs deliver value to your enterprise

From an API Portal that serves as your storefront to an API Gateway for security, to an API Catalog for end-to-end management and API Consumption Management for tracking how you use third-party APIs, Software AG's webMethods API platform is everything you'll ever need to confidently introduce your APIs to your user community.

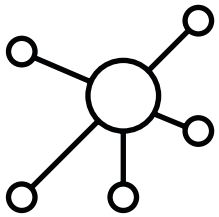
Visit www.SoftwareAGgov.com for more details.



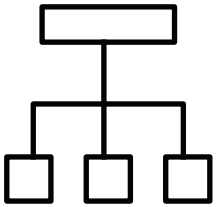
Securely open your data



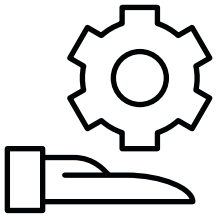
Spark API-led innovation



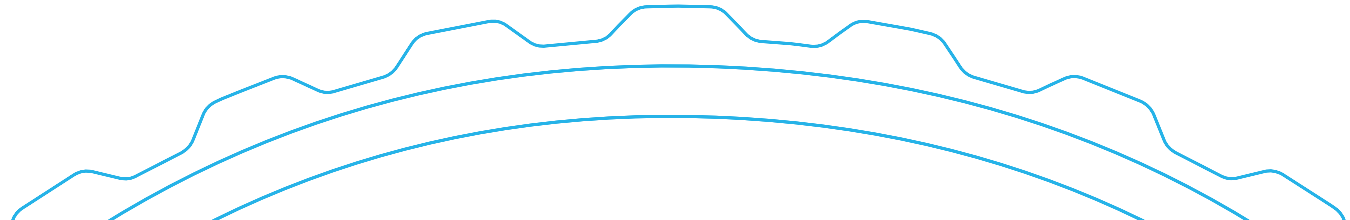
Build your ecosystem



Pioneer new business models



Differentiate with unique offerings



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