

API FORGE

Technical Reference Overview

API FACTORY

Full life cycle API management

Creating and managing APIs requires knowledge of many technologies.

To streamline this process, we've created a development environment that monitors and manages all the resources involved.

Every System Integrator can create, implement, test and publish APIs, while maintaining total control over the entire lifecycle.



COMPOSITION

Visually design API & connect them to data



BUILD & DEPLOY

Tools to enforce best practises from development to production



SCALE

Optimize infrastructure resouces at runtime to deliver on SLA



SECURE

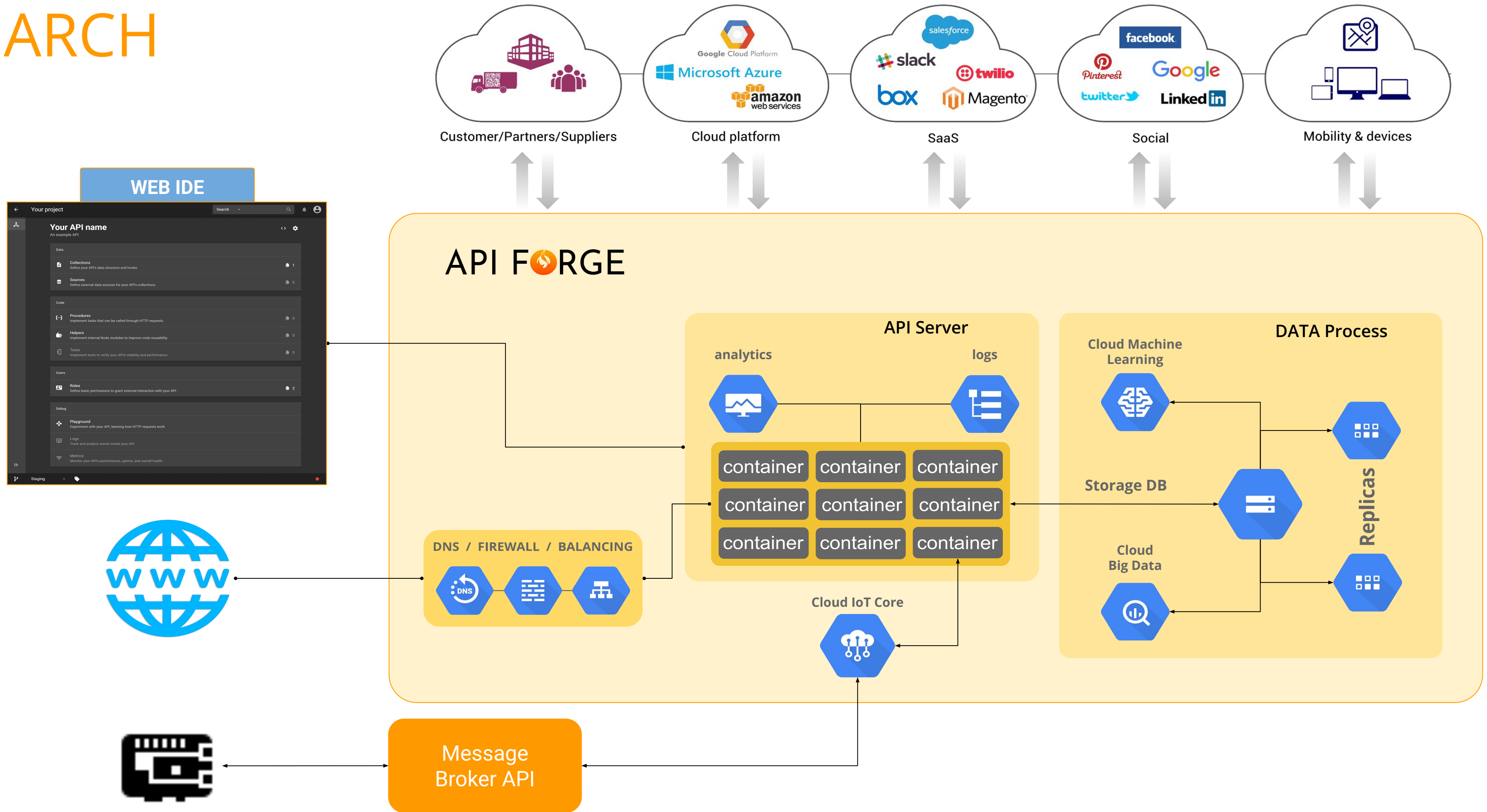
Manage authentication rule and routing



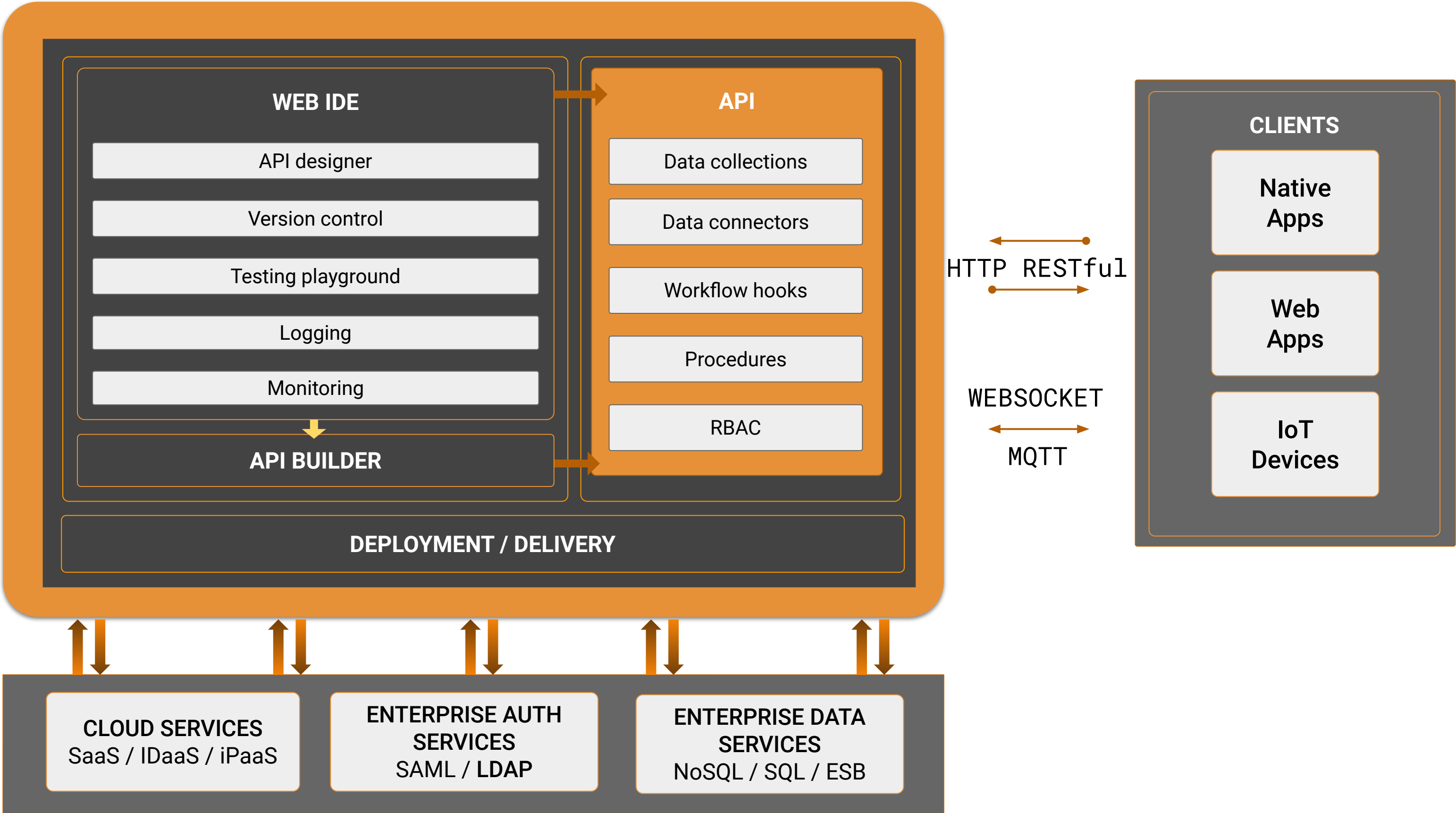
MONITOR

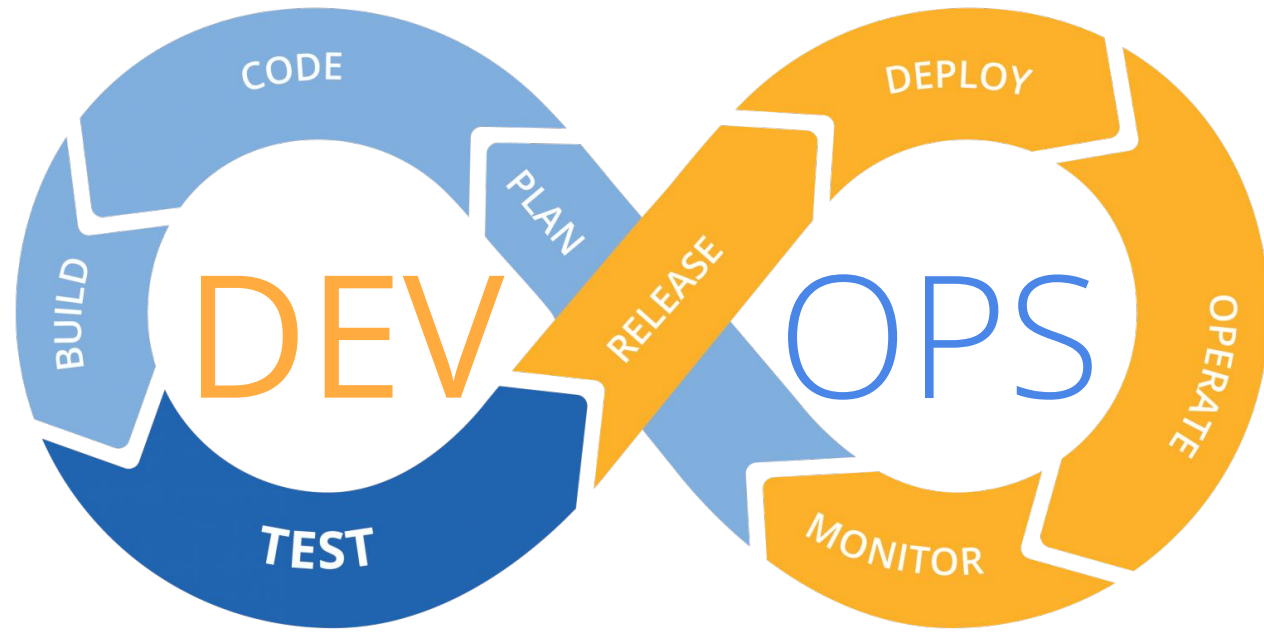
Tune performance, optimize user experiences and identify bottlenecks

ARCH



API Manager Key Components



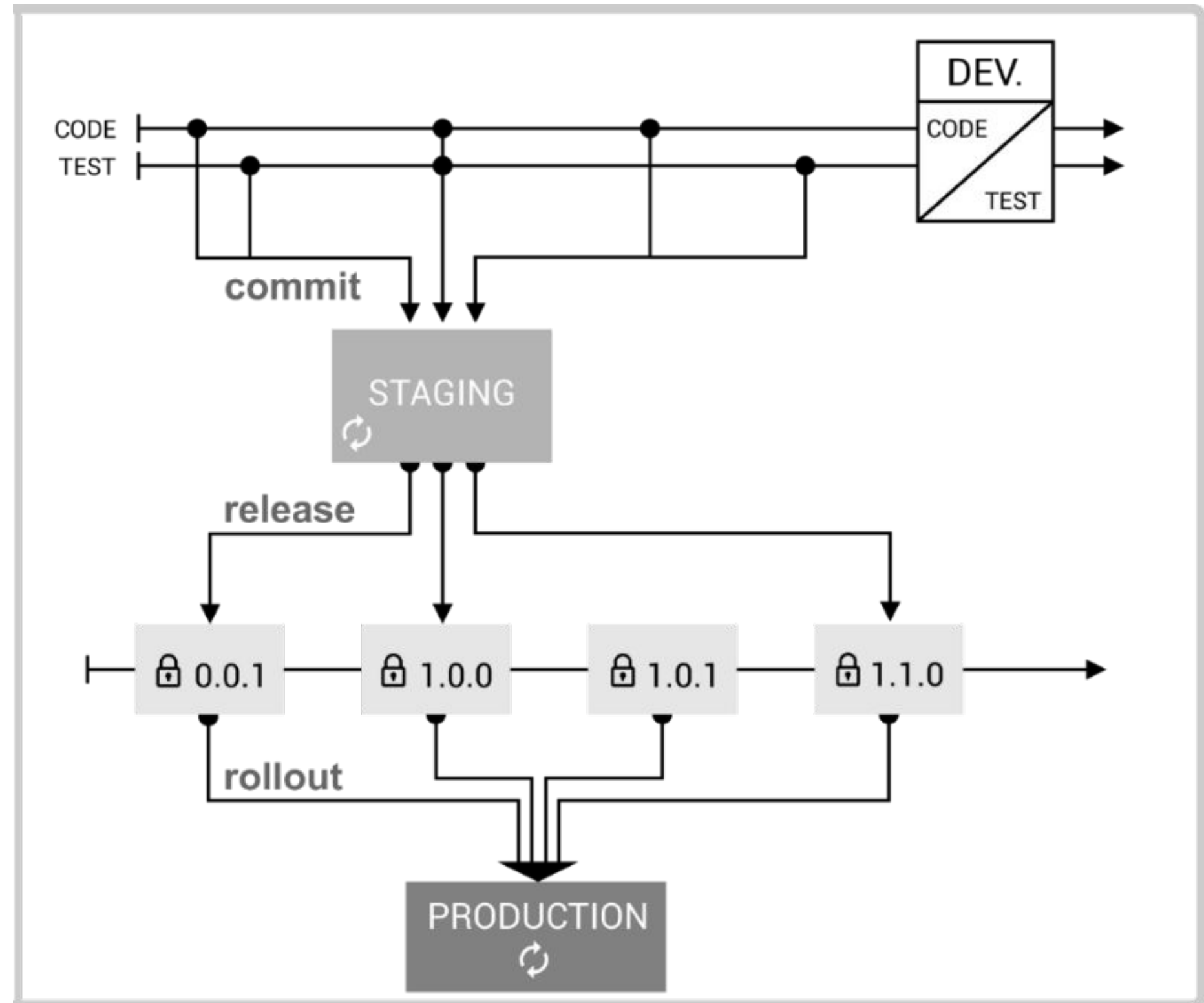


API FORGE comes with a fully featured DevOps toolchain.

It offers code linting, role based collaborations, environment specific configuration, tiered deployment environments, versioning, logging and monitoring.

All the built APIs go through a development and staging process for testing and QA before being versioned and released into production.

Deployment Schema Solution



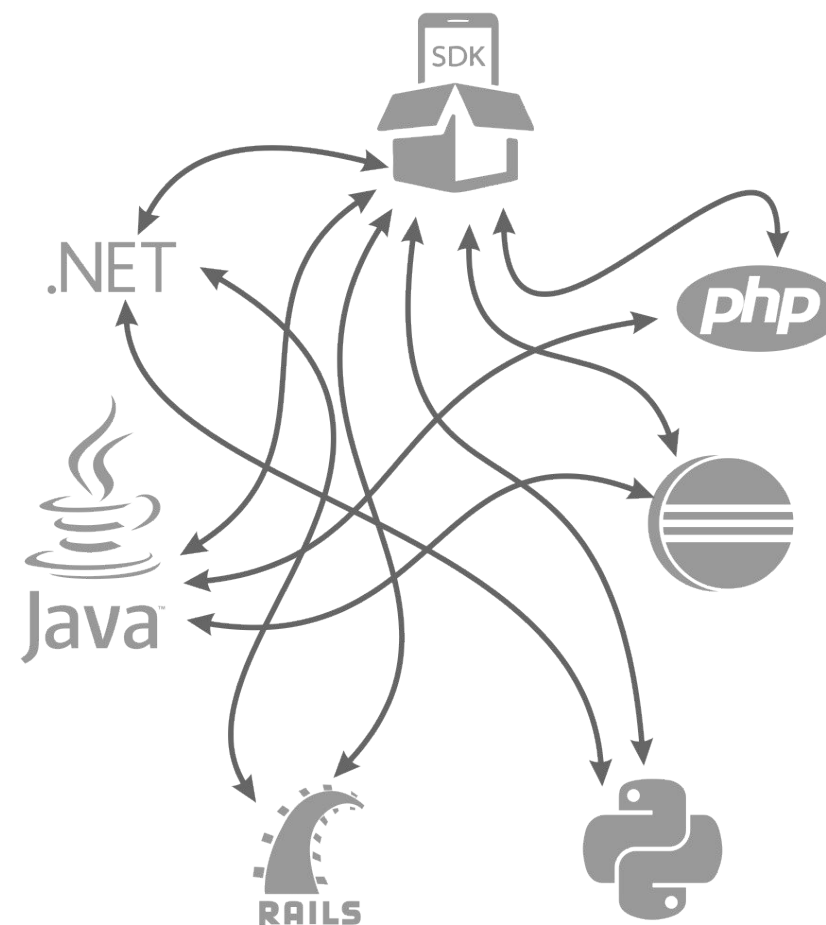
NO SDK

Language agnostic

API FORGE exposes all of its functionalities in an idiomatic way.

You can interact with the entire platform through simple RESTful HTTP requests making the SDK obsolete and boosts performances on every device.

yesterday



now

VS



EVENT-DRIVEN ARCHITECTURE

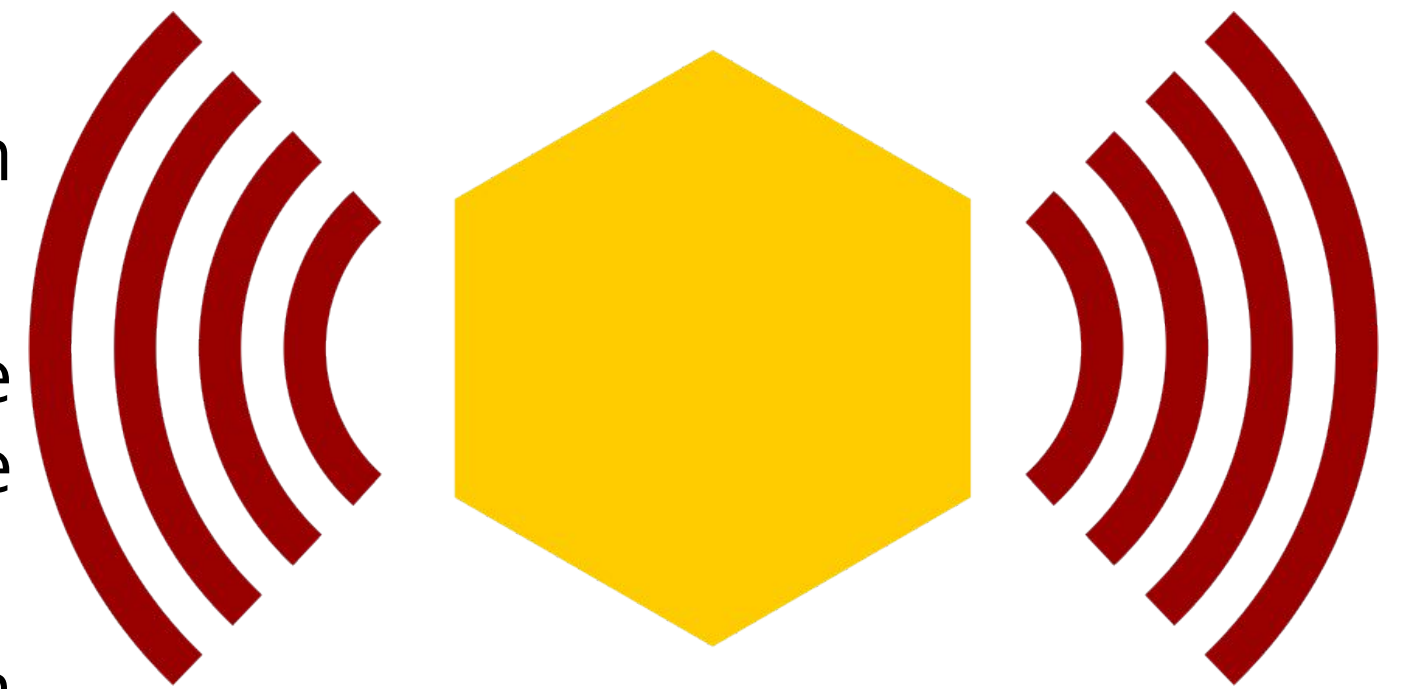
Microservices

Real Time Communication

API FORGE provides support for an event-driven architecture; be it on-demand or in real-time.

Microservices can be created to split a monolithic codebase into smaller chunks, improving modularity and making the API easier to understand, develop and test.

Through the use of Real Time Communication (RTC) you can send messages to the API and receive data updates instantly, without having to poll the server for a reply.

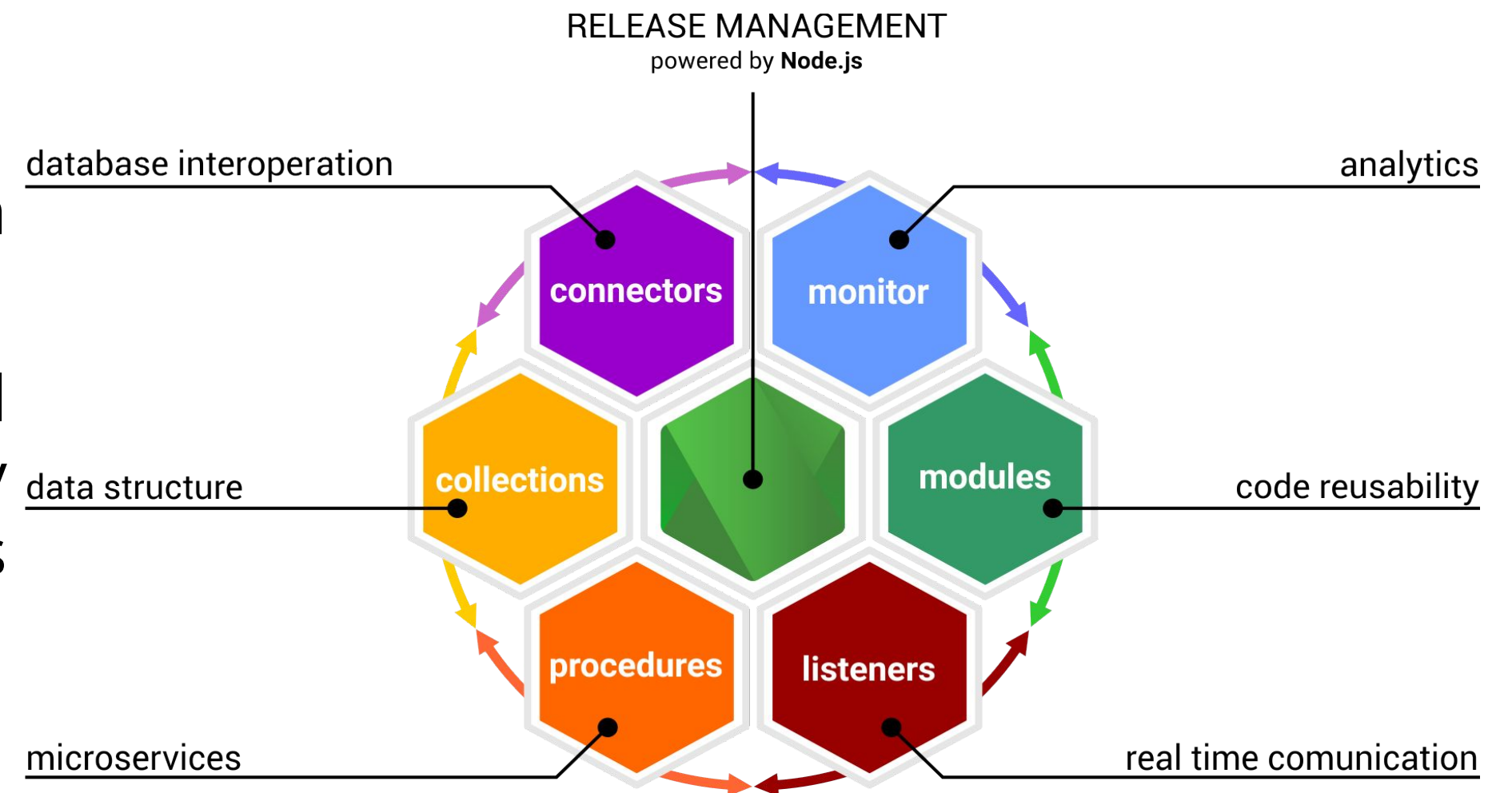


RELEASE MANAGEMENT

Version Control Testing Deploy

Version control and testing are integrated in the development process of API.

They protect the source code from unintended consequences by enabling you to easily recover from mistakes, review past changes and deploy stable versions of your API.



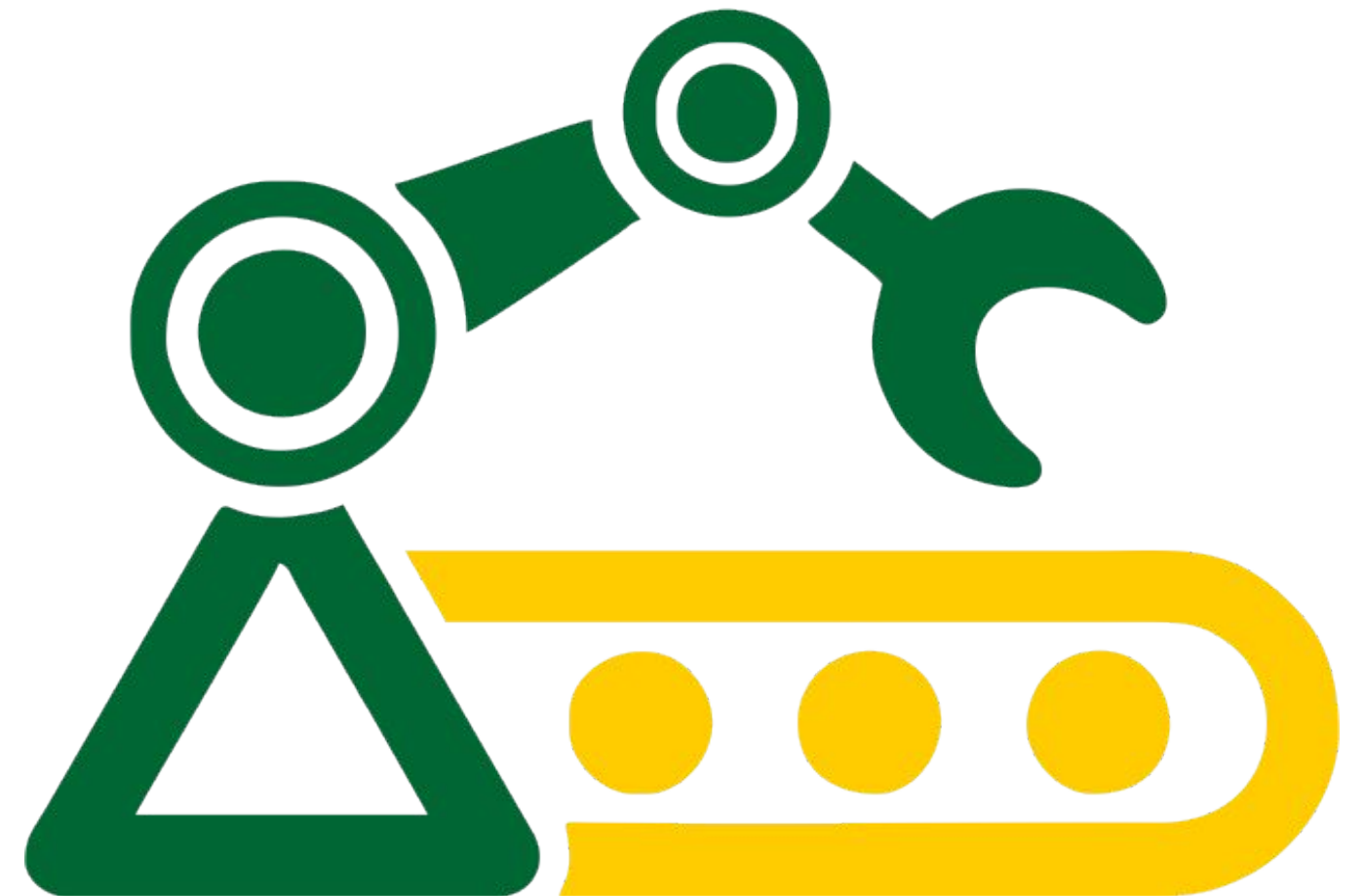
WORKFLOW HOOKS

Complete workflow control

External interoperability

To ensure maximum flexibility in the digital transition, API FORGE provides hooks into the CRUD workflow.

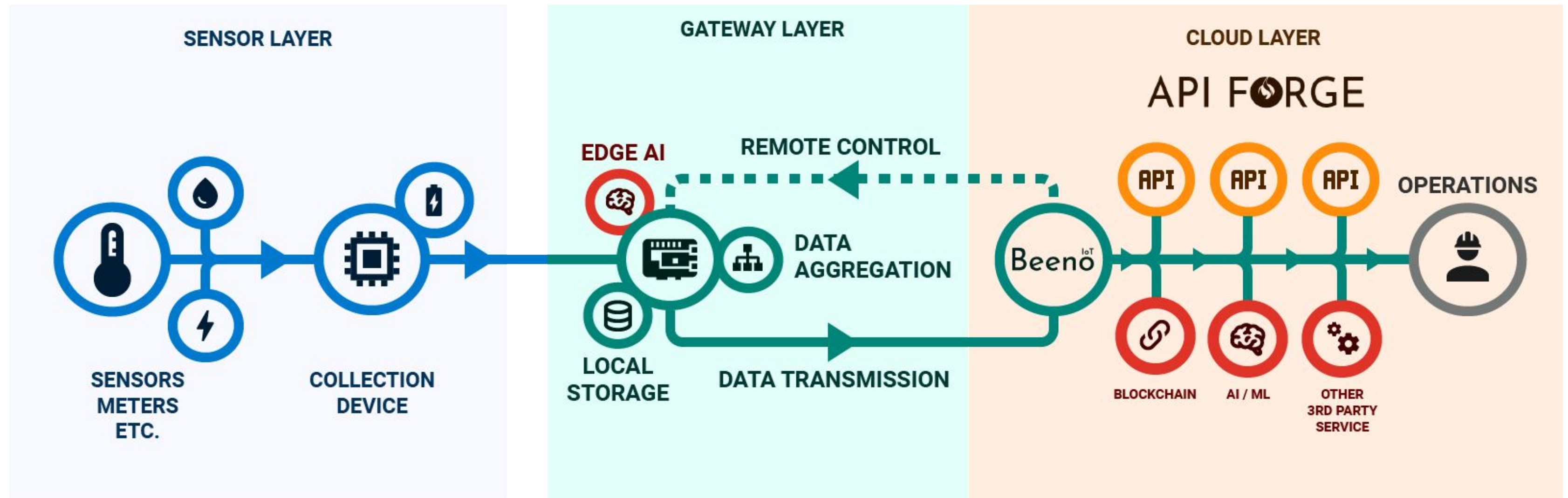
Giving you the possibility to intercept, modify and proactively synchronize your data between multiple services, legacy or cloud.



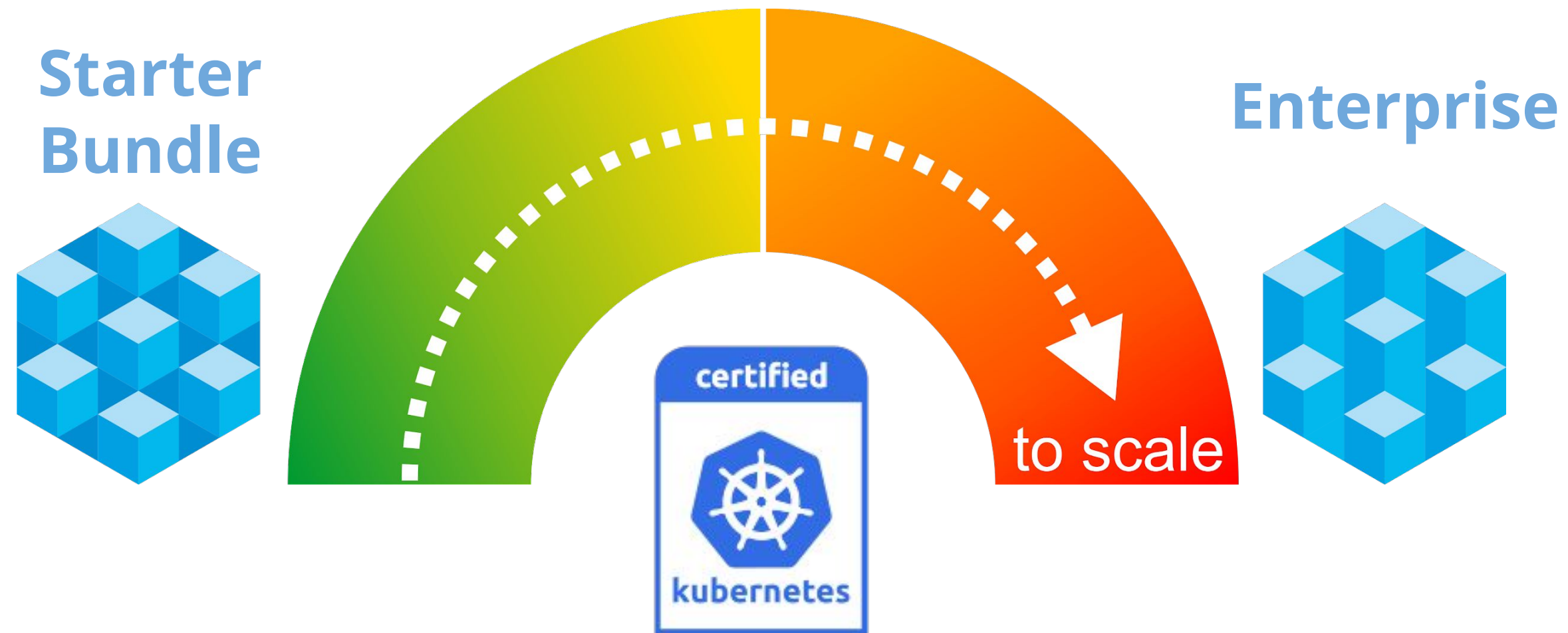
EDGE COMPUTING

API FORGE provides the ability to create microservices and custom connectors for external data sources allowing for externalization of processes from legacy systems.

The built APIs can act as gateways with custom logic, can be used as data replicas or do analytics on a central node where the data resides.



Scale up to high enterprise volumes to meet your demand



Deploy, manage, and scale containerized applications on Kubernetes, powered by Google Cloud.

thanks you for your attention

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