![OpenLegacy - Digital to the Core]

IBM API Connect + OpenLegacy: Combining leading legacy API creation with API management

IBM API Connect is a leading API Management platform available both on-premises and in the cloud. Customers can build and deliver modern applications faster, execute at scale and optimize costs.

However, many enterprises have issues building APIs from their legacy systems, including mainframes, mid-range systems, applications and databases. Typically, in these organizations, handwritten facades and data conversions add time-consuming complexity and risk. Furthermore, even once the APIs are created, the integration performance is often affected by these extra layers of code. All of these issues can lead to delays which affect budgets, staff resources, time-to-market and total cost of ownership.

This is where OpenLegacy's integration with API Connect can help. OpenLegacy's platform is a new way of integrating with legacy systems. OpenLegacy's benefits include:

- **Automatic code generation**—Generation of microservices-based SDKs and APIs—automatically.

- **No legacy skills needed**—Logic is quickly and easily generated by a single Java developer.

- **Extremely low latency**—The connection to the legacy system is native and direct, delivering optimal performance.

- **Everything generated is Java code**—We use standard frameworks like Spring Boot and Maven to make the results easily understandable, modifiable, and available to the customer.

- **Designed for microservices and DevOps**—OpenLegacy's code is built as a native microservice that contains the API and is easily deployable to any cloud.

A key advantage of OpenLegacy are our microservice-based APIs which make the connection to the legacy system self-contained. Gathering everything inside a microservice makes it consumable by applications, and launchable inside containers for use inside platforms like OpenShift. This also makes it easy but not a requirement to use middleware like IBM's MQ, IBM Apache Kafka, etc. Use the tooling that works best for your needs.

The workflow can connect directly to the legacy system through then OpenLegacy SDK. Since the workflow encapsulates the SDK, there are no additional outside dependencies, so performance is excellent and component generation is efficient. Additionally, the demand for dedicated hardware and software resources are reduced dramatically.

OpenLegacy provides a tremendous amount of flexibility in implementing and maintaining legacy integrations because you get template-based customization and complete access to the code of

the microservice project. Therefore, OpenLegacy complements API Connect's power to improve and beautify the APIs by adding code standardization, business logic, orchestration, and many other capabilities to the SDKs and APIs.

OpenLegacy's templated nature ensures that when releasing new versions of the API Connect platform, it will be very easy to maintain compatibility with the connectors. Just introduce the needed changes into a template, and the integration code will generate according to specifications. This also applies to any component or cross-cutting concern introduced into the automatic code generation process of the OpenLegacy connectors.

The most elegant way to deploy a productive API environment is to let each solution do what it does best. Together, API Connect focuses on enhanced API Gateway tasks and management and OpenLegacy focuses on direct, simplified, automated access to your Systems of Record.

About OpenLegacy

OpenLegacy's Digital-Driven Integration enables organizations with legacy systems to release new digital services faster and easier than ever before. It connects directly to virtually any core system, instantly creating microservice-based APIs that power exciting new digital services. OpenLegacy helps industry-leading companies drastically reduce costs and resources while helping them become digital to the core.