

# How OpenLegacy can help Amazon grow in the hybrid cloud market



## The need for hybrid solutions

While enterprises are moving toward the cloud, on-prem IT will remain important for the foreseeable future. That is why many companies are looking at hybrid IT. Hybrid solutions are particularly common for industries that rely heavily on mainframe and midrange computers. Companies leveraging a hybrid solution can choose between serverless or microservices-based architectures. In either case, the solution needs to support ongoing growth by allowing quick deployment of new digital services. The combined Amazon and OpenLegacy solution enables the creation of true cloud-native integrations, whether you choose serverless or microservice-based APIs.

## Serverless integration

A mid-sized bank is choosing serverless to leapfrog their competitors and make a dramatic move into the digital world. Traditionally this requires creating infrastructure, teams, knowledge, and processes that are time-consuming and costly—causing them to fall further behind their competitors. The bank wants to go serverless allowing them to use what they need without creating a specialized infrastructure. The bank is mitigating the risk by leveraging Amazon's technical capabilities. Still, the big unknown is: how do they deal with their legacy systems?

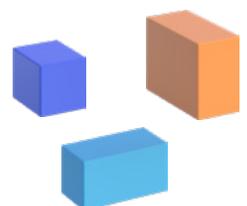
The bank engaged with OpenLegacy to solve the problem of accessing their legacy systems. The OpenLegacy API integration platform streamlines their operational infrastructure by automatically

generating nodeJS functions for AWS Lambda directly from their mainframe applications. The OpenLegacy solution bypasses the redundant ESB/SOA middleware layers allowing the bank to truly support a serverless design. With OpenLegacy, not only is their infrastructure greatly simplified, but service creation time is reduced by 20X. This enables the bank to expand its services in the AWS cloud quickly. Cloud access to the services allows quick creation of direct connections to any other applications (DBs, stored procedures, services, etc.) so partners, customers, and employees can easily access legacy system data.

## Microservice integration

OpenLegacy and Amazon also can help customers with non-serverless digital transformations as well. OpenLegacy offers an innovative way of creating hybrid integrations between the cloud and even the most complex on-prem systems by automatically generating microservice-based APIs with direct calls to backend applications.

Amazon's cloud environment adds performance, scalability, reliability, and availability to your infrastructure, however, this is not enough if you rely on legacy systems. OpenLegacy unleashes the functionality locked in your legacy systems by rapidly creating digital services (APIs) for on-prem systems and decoupling monolithic applications into lightweight Java-based microservices.



OpenLegacy's approach uses encapsulated SDKs that represent an abstraction of a legacy transaction, or data used inside the microservices. This results in easier integration that can then be easily combined with cloud-based data sources—just like any other Java object. OpenLegacy automates the process of creating SDKs and simplifies all of the complexities, security concerns, performance challenges, and other integration issues.

OpenLegacy's microservice approach means:

- Fast integration creation: Automate the process for any legacy system
- No legacy skills needed: APIs can be generated by a single Java developer

- Extremely low latency: Our direct connection to the legacy system delivers optimal API speed and performance
- Everything generated is Java code: Uses familiar frameworks like Spring Boot and Maven
- Designed for easy deployment: Built as a native microservice that contains the API and is easily deployable to any cloud.

As a result, Amazon users gain the flexibility of a true cloud-native environment so they can make the best use of all of their resources.



## About OpenLegacy

OpenLegacy's Digital-Driven Integration enables organizations with legacy systems to release new digital services faster and more efficiently than ever before. It connects directly to even the most complex legacy systems, bypassing the need for extra layers of technology. It then automatically generates APIs in minutes, rapidly integrating those assets into exciting new innovations. Finally, it deploys them as standard microservices or serverless functions, giving organizations speed and flexibility while drastically cutting costs and resources. With OpenLegacy, industry-leading companies release new apps, features, and updates in days instead of months, enabling them to truly become digital to the core.

