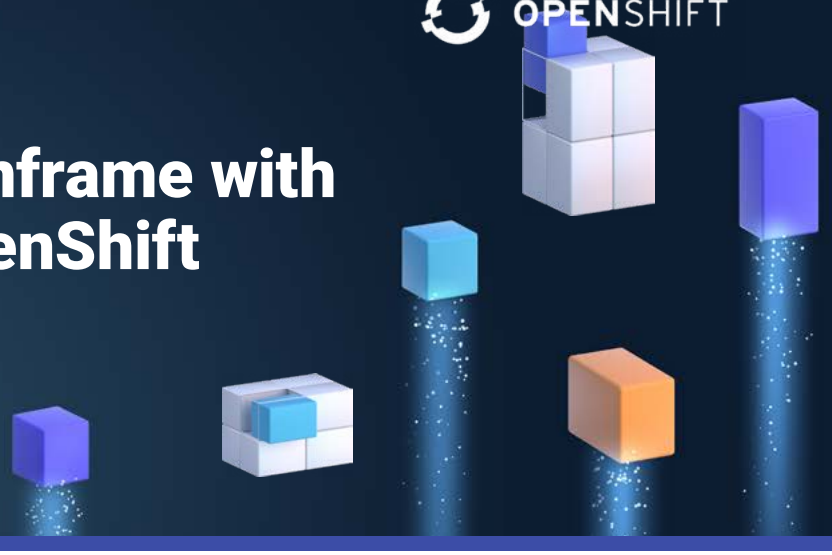
OpenLegacy
Digital to the Core

OPENSHIFT

Solution Brief

Modernize your Mainframe with OpenLegacy and OpenShift



For most large enterprises the journey of digital transformation requires understanding and consideration of the specific challenges their complexity represents.

While in the past, public clouds seemed like the eventual end-state for any kind of modernization journey, today's thinking has shifted toward a more nuanced view: the future belongs to a hybrid of on-prem and cloud solutions that provide organizations the flexibility and confidence to deploy the right solution to the right environment.

OpenShift is the leading Linux hosted Kubernetes-based modern application platform providing a consistent development and operations experience across exactly such hybrid and multi-cloud environments. OpenShift lets you build, deploy, and manage applications in a secure, consistent manner. It also helps customers run microservice-based applications at scale by creating a service mesh environment.

One specific challenge enterprises struggle with is incorporating legacy applications and assets into their modern digital strategy.

Traditional integration approaches sought to solve this problem for previous architectures Service Oriented Architecture (SOA) which does not fit well in the world of containerization, microservices, and Agile and DevOps practices. These solutions are slow to develop and test, offer little agility and add technical debt precisely when you are trying to move forward.

The OpenLegacy platform was designed to allow legacy assets to be used as digital assets without going through a traditional integration stack. In fact, it is a modern digitally-native solution that dramatically expedites and simplifies large legacy-heavy digital transformations.

The OpenLegacy platform enables legacy assets to act as digital ones by automatically generating

Companies are adopting hybrid and multi-cloud strategies as an end-state

OpenShift provides a great hybrid, multi-cloud solution but legacy systems are still a challenge

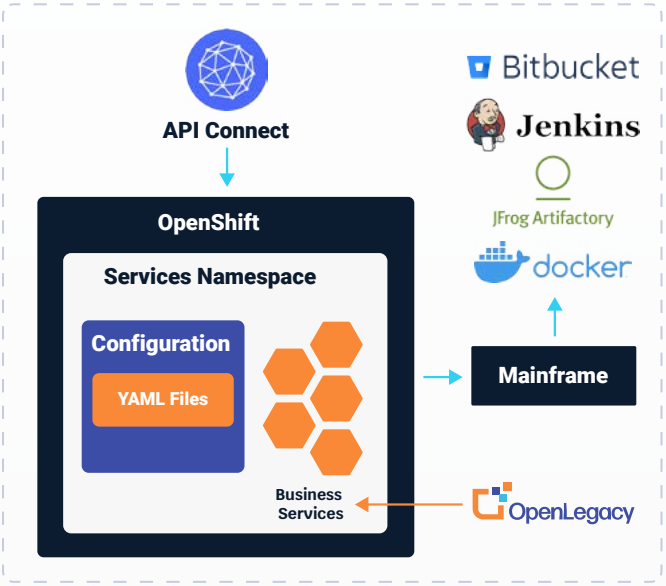
OpenLegacy make legacy assets available as digital assets to be used natively within OpenShift

microservices connected directly to the core systems. Everything needed to connect to the legacy system is self-contained within the microservice. This self-containment means there is no extra overhead and allows the service mesh to focus on the choreography between microservices. The OpenLegacy microservices use Docker containers, with additional YAML configuration files to plug the microservice into OpenShift. Systems can then enjoy the full benefits of OpenShift, including logging, tracing, monitoring and discovery.

The OpenLegacy core benefits include automatic code generation, direct to legacy connections, and multiple deployment options.

Your workflow connects directly to the legacy system through the OpenLegacy microservice. The OpenLegacy code-first approach provides tremendous flexibility in implementing and maintaining legacy integrations. Template-based customization provides you complete visibility and access to the entire code-base of the microservice project.

Using OpenShift together with the OpenLegacy platform, users can move to a modern, flexible and robust architecture that supports the business needs while leveraging the entire scope of the organization's past investments in a simple, native and fast manner.



Customer implementation using OpenShift and business services generated by OpenLegacy.

> *OpenLegacy & OpenShift helped us become truly responsive by letting us build APIs and microservices in a single sprint—five microservices in two weeks, instead of one in many months.*
>
> **IT Executive**
> **Israel's Largest Bank**

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.