

OpenLegacy Hub

Modernization Without the Risk – The Engine for Agile, Phased Legacy Transformation

What Is OpenLegacy Hub?

OpenLegacy Hub is the only AI-powered, low/no-code platform designed for safe, phased modernization of legacy systems like mainframes and IBM i (AS/400)—without disruptive rip-and-replace approaches. At the core is the OpenLegacy Hub Planner, a smart analysis engine that visualizes system dependencies, maps modernization strategies, and accelerates time-to-value through automation.

Whether you're rehosting, refactoring, or rewriting, OpenLegacy Hub enables you to expose legacy logic as modern, cloud-native services and move to the cloud—on your terms, at your pace, with zero downtime.

How it Works: From Legacy to Cloud—Safely and Smartly

1 Analyze & Visualize

- Securely connect to mainframe/IBM i using screen-to-API (3270/5250), protocol-level access (CICS, IMS, DB2), or wrappers.
- Auto-map program calls, embedded SQL, batch jobs, and database dependencies.
- Gain real-time, visual insight into safe decoupling points.

2 Plan Your Architecture

- Define modern targets: REST APIs, microservices, or serverless functions.
- Apply the *Phased Coexistence Strategy* via the *Dual Factory Model*:
 - **Integration Factory:** Auto-generates secure APIs from legacy logic.
 - **Migration Factory:** Builds modern service layers for refactored components.

3 Execute & Automate

- Use unified CI/CD pipelines with security (OAuth2, OIDC), automated testing, and observability.
- Maintain compliance and functionality at every modernization wave.



Built for Your Success

Enterprise-Grade Capabilities

- Fits into any modern technology stack and adapts to how your team works
- API Protocols: REST, SOAP, Kafka, gRPC, MQ, event-driven integration
- Development Options: Low-code flows or full-code (Java, Node.js, Spring Boot)
- CI/CD Tools: GitHub, GitLab, Jenkins, Azure DevOps
- Security: OAuth2, RBAC, audit logs, field-level encryption
- Deployment: On-prem, AWS, Azure, GCP, OpenShift, Kubernetes

Modernization Patterns

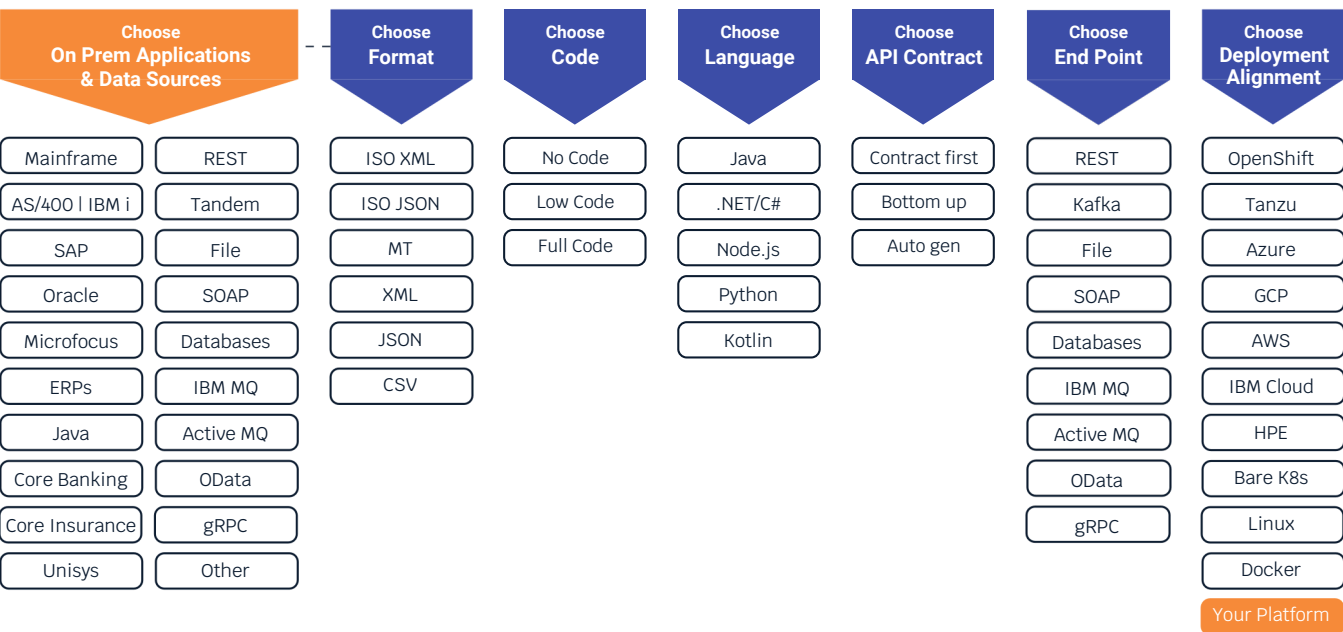
OpenLegacy Hub enables intelligent decoupling across multiple layers. The platform identifies the decoupling points and creates the execution plan for those specific points.

Modernize only what's needed—no more, no less.

Pattern	Description
Internal Decoupling	Replace internal calls with remote APIs
External Decoupling	Front MQ/CTG/IMS/DB2 interfaces with API gateways
Data Layer Decoupling	Separate data access from logic for hybrid/cloud architectures and enable moving data to the cloud
Logic Layer Decoupling	Extract and expose business logic as microservices and ease migration
CDC / Data Sync	Enable batch or real-time data synchronization for Legacy DB/Files (VSAM)

Flexible and Adaptable

OpenLegacy can be embedded or coupled with your software solution or platform.





Why OpenLegacy Hub Matters

CIOs and IT Leaders

- Achieve up to 353% ROI and reduce operational IT costs by 45%
- Deliver innovation fast—without waiting for back-end migration
- Gain control over timelines, compliance, and risk

System Integrators

- Shrink development from months to days
- Accelerate delivery with prebuilt connectors and AI-guided templates
- Differentiate with faster, phased modernization offerings

Cloud Partners

- Increase cloud workload migration and service monetization
- Unlock legacy data for AI, analytics, and personalization
- Accelerate cloud adoption across the enterprise ecosystem

Industry Use Cases

Every industry has its own “can’t-fail” legacy systems—and its own mandate to innovate.



Financial Services

- Real-time payments & fraud prevention
- Open banking and regulatory compliance
- Core system modernization



Manufacturing

- Integrate legacy ERP with IoT & MES platforms
- Predictive maintenance using historical data
- Real-time factory data sync



Insurance

- Digital policy & claims automation
- Policy admin integration with digital portals
- Risk reporting & compliance



Telecommunications

- Five-star mobile experience
- Faster time-to-market with new digital offerings
- Meet compliance and regulatory requirements



Retail

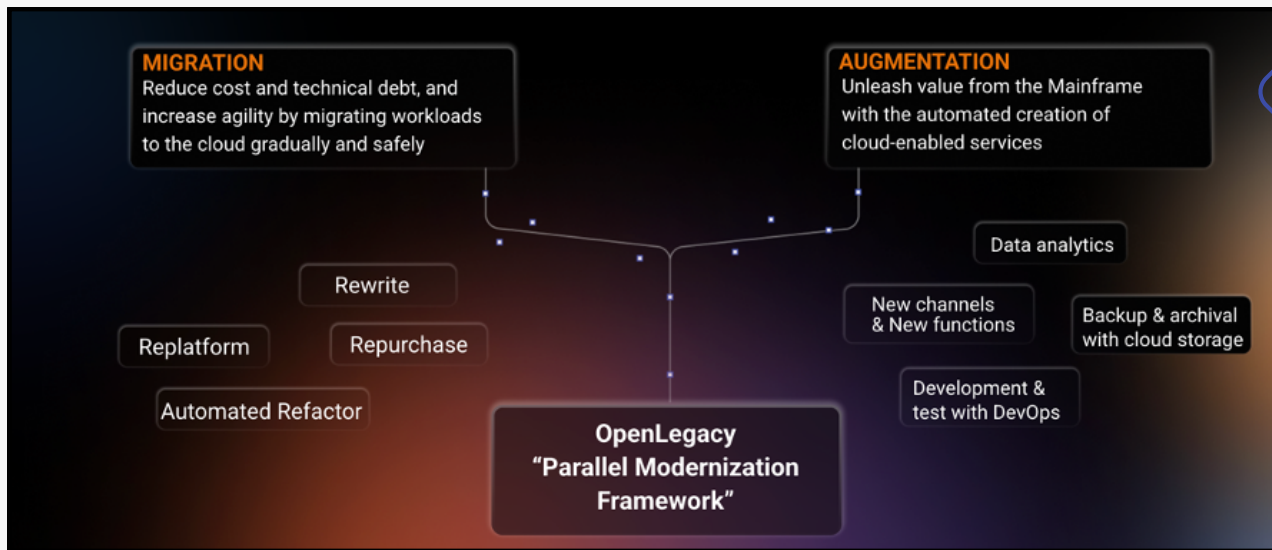
- Real-time supply chain & inventory integration
- Omnichannel enablement for legacy POS
- Personalized marketing via unified customer data



Public Sector

- Digital citizen services modernization
- Automated compliance & reporting
- Unified data for smart decision-making

Modernization Accelerated and De-Risked



- ✓ Structured modernization at scale
- ✓ Real-time, non-invasive legacy connectivity
- ✓ Built-in phased coexistence support
- ✓ AI-assisted service generation & test automation
- ✓ Cloud-native, container/serverless ready
- ✓ Full observability & security coverage

About OpenLegacy

OpenLegacy is an AI-driven platform purpose-built for continuous, phased, structured legacy modernization. By combining automated analysis, instant API generation, and a library of proven decoupling patterns, OpenLegacy enables enterprises to modernize at their own pace—without the risk.



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