

OpenLegacy Modernization Use Case Brief



Banking & Financial Services · Insurance · Retail · Manufacturing

Modernization doesn't have to mean stalling innovation. On the contrary, OpenLegacy enables seamless operation to facilitate innovation during migration or modernization. OpenLegacy connects directly to the mainframe and IBM i systems' logic and data, automatically generating modern services that can run on AWS. This enables organizations to continue serving their line of businesses, operating in a fast-paced environment, while modernizing in the background. More so, everything done with OpenLegacy is cloud-ready and can be moved to the cloud during the modernization without disruption.

Banking & Financial Services

		
INITIATIVE	BARRIER	SOLUTION
Instant & Real-Time Payments on AWS	Payments are tied to batch-based mainframe processes and complex on-prem middleware, making 24/7 instant payments and rapid regulatory changes risky and slow.	OpenLegacy exposes existing payment flows and data as cloud-ready services, so banks can run real-time payment orchestration and validation on AWS while the core ledger remains on the mainframe.
Open Banking & API Factory on AWS	Core capabilities (accounts, cards, payments) are locked in COBOL/CICS with no scalable API layer, and each new regulatory or partner API becomes a bespoke project.	OpenLegacy discovers core transactions and generates standards-based APIs that run on AWS, enabling a reusable Open Banking & API Factory platform without rewriting the mainframe.
ESB Decommissioning & Middleware Modernization	Legacy ESBs and custom integration layers are deeply entangled with core systems, expensive to maintain, and slow to change.	OpenLegacy replaces ESB-centric flows with direct, generated APIs from mainframe and IBM i into AWS-native integration services, allowing banks to gradually move routing and orchestration workloads to the cloud.
Digital Lending & Credit Decisioning in the Cloud	Lending logic is buried in green screens and batch jobs, so launching new digital lending journeys or using modern risk models requires risky core changes.	OpenLegacy turns lending processes into APIs that can be orchestrated from AWS, letting banks run digital journeys and decisioning in the cloud while reusing proven lending engines in the core.
Corporate Treasury & ERP Connectivity via AWS	Corporate connectivity is driven by one-off host-to-host projects, batch files, and custom adapters, leading to slow onboarding and high maintenance costs.	OpenLegacy standardizes host connectivity as reusable services exposed through AWS, providing a cloud-based connectivity hub that accelerates ERP integrations and powers new treasury offerings.

Insurance



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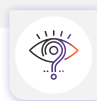
Regulatory & Privacy Data Services on AWS

Digital Policy & Claims Portals Backed by AWS

Rating & Underwriting Workloads Modernized to AWS

Claims & Call-Center Modernization with AWS Services

Phased Policy Administration Modernization to AWS



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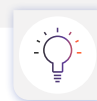
Policy and claims data is scattered across legacy databases and batch processes, making regulatory reporting and privacy compliance slow and labor-intensive.

Policy admin and claims processes live in green-screen and desktop applications, so portals depend on brittle integrations and cannot evolve quickly.

Rating and underwriting rules are embedded in COBOL programs and batch flows, making product changes slow and limiting the use of new data sources.

Claims data is fragmented across systems and agents must rely on multiple legacy screens, limiting productivity and customer experience.

Large, heavily customized policy admin platforms are too risky to replace in one step, and integrations make modernization even more complex.



SOLUTION

OpenLegacy exposes key data sources as governed services and streams them into AWS, enabling a cloud-based regulatory and privacy data platform without disrupting core systems.

OpenLegacy converts these processes into APIs and data services that power AWS-hosted portal backends, allowing carriers to deliver modern digital experiences while the legacy core remains stable behind them.

OpenLegacy wraps rating and underwriting functions as services that can be orchestrated from AWS, so carriers can run modern rating engines and data-driven workflows in the cloud while selectively reusing core logic.

OpenLegacy provides unified claims APIs and data services that feed AWS-based call-center and automation solutions, enabling faster resolution, better agent views, and elastic handling of claim surges.

OpenLegacy enables carriers to expose and move selected policy functions and data into AWS in phases, creating new cloud-native services while using the existing system as the system of record during the transition.

Retail



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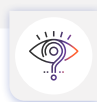
Real-Time Supply Chain & Inventory Services on AWS

Omnichannel Customer Services Backed by AWS

Supplier & Marketplace Integration via AWS APIs

Mobile Sales & In-Store Apps Powered by AWS

Fast-Fashion & Promotion Engine in the Cloud



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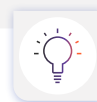
Inventory, pricing, and order data is updated via nightly batches in ERP and IBM i, causing stale information and stock inconsistencies across channels.

Web, mobile, and store systems each integrate separately with legacy POS/CRM, creating inconsistent experiences and complex point-to-point integrations.

Supplier and marketplace integrations are mostly file-based and custom, making onboarding slow and hard to scale.

Core store and sales functions run on IBM i or ERP systems that are not designed for mobile access, leading to fragile integrations and limited reuse.

Promotions and markdowns are driven by batch processes and manual workflows, making it hard to react quickly to demand changes.



SOLUTION

OpenLegacy exposes core inventory and order processes as services and streams data into AWS, enabling near real-time supply chain and inventory views for web, mobile, and store systems.

OpenLegacy turns key POS and CRM flows into standardized APIs that feed an AWS-based omnichannel service layer, giving retailers a single, consistent backbone for all customer touchpoints.

OpenLegacy standardizes supplier-facing flows as APIs and data services exposed through AWS, creating a reusable integration hub that accelerates partner onboarding and simplifies ongoing maintenance.

OpenLegacy exposes these functions as mobile-ready APIs that back AWS-hosted mobile services, enabling rich in-store and field apps that reuse existing logic without overloading the core.

OpenLegacy surfaces promotion and pricing flows as services that feed an AWS-based promotion engine, allowing retailers to simulate, launch, and adjust campaigns in near real time while updating the ERP as system of record.

Manufacturing



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Real-Time Quality & Error Detection on AWS

ERP Integration with MES/ IoT via AWS

Cloud-Connected Orders & Supply Chain Services

IoT Device & Telemetry Connectivity to ERP

Dealer & Distributor Portals Powered by AWS



BARRIER

Quality and production data is consolidated via delayed batch processes, making issues hard to detect and compare across plants.

Legacy ERPs offer limited modern APIs and are integrated to MES and IoT platforms through custom adapters and files that are hard to scale.

Order, inventory, and logistics processes live in AS/400 or mainframe systems with batch EDI and file exchanges, limiting visibility and agility.

ERP systems cannot directly handle large volumes of IoT telemetry, and connecting telemetry to maintenance and service processes requires custom work.

Dealers and distributors often use legacy tools or manual processes to place orders and request service, hurting satisfaction and efficiency.



SOLUTION

OpenLegacy exposes quality and production data streams from ERP and plant systems into AWS, enabling real-time dashboards, alerts, and analytics without changing the underlying systems.

OpenLegacy generates reusable ERP APIs that can be consumed from AWS, allowing manufacturers to build a cloud-based integration layer for MES, IoT, and iPaaS instead of one-off point solutions.

OpenLegacy converts these processes into APIs and data services that feed AWS-hosted order and supply chain visibility solutions, providing real-time status to customers and partners while reusing the ERP.

OpenLegacy exposes ERP service and asset functions as APIs that AWS IoT workloads can call, so telemetry is ingested and analyzed in the cloud while work orders and status updates are written back to the core.

OpenLegacy surfaces dealer-relevant ERP functions as modern APIs, enabling AWS-hosted portals that provide real-time ordering, availability, and service views without replacing the existing back-office systems.



About OpenLegacy

OpenLegacy is the only AI-driven platform that eliminates legacy modernization risk

OpenLegacy enables agile phased modernization. The OpenLegacy Hub is the only platform that delivers agile, continuous, structured legacy modernization—eliminating risk, simplifying complexity, and accelerating cloud adoption. With AI-driven automation, OpenLegacy ensures business continuity while enabling enterprises to modernize at their pace and unlock immediate business value. Trusted by global tier 1 institutions and enterprises, OpenLegacy ensures organizations achieve successful legacy transformation on their terms.