



Accelerating AWS Transform for Mainframe Consumption with OpenLegacy

Enabling a Phased, Low-Risk Journey to the Cloud for Mainframe Applications

The “Why” for AWS Sellers: OpenLegacy is the friction remover for AWS Transform for Mainframe (ATX-M) deals. It defeats “Analysis Paralysis” by enabling a viable hybrid strategy, allowing customers to consume AWS services immediately by decoupling legacy data and logic.

Core Narrative: Better Together

The strategic partnership between AWS Transform for Mainframe (ATX-M) and OpenLegacy offers enterprises a comprehensive, automated, and low-risk approach to transforming business-critical mainframe applications. This collaboration combines the power of ATX-M’s AI-driven mass refactoring with OpenLegacy’s immediate composability and API-led integration, ensuring a successful and continuous journey to the cloud.



COMPONENT

AWS Transform for Mainframe (ATX-M)



PRIMARY FUNCTION

AI-driven code analysis, decomposition, refactoring (COBOL to Java), and migration wave planning.



VALUE PROPOSITION

Accelerates Transformation:

Reduces multi-year modernization projects to months by automating discovery, decomposition, and code conversion, while preserving business logic and minimizing errors.

OpenLegacy

AI-based legacy modernization platform for automated API/ Microservice generation and runtime integration.

Enables Composability & Phasing:

Creates a secure, scalable digital services layer directly from legacy assets, allowing new cloud applications to integrate with old systems immediately and nondisruptively.



The Joint Value Proposition

Leverage ATX-M’s speed for large-scale code conversion alongside OpenLegacy’s agility for continuous, phased integration. This synergy ensures that every modernized component is immediately usable, maintaining business continuity throughout the entire transformation lifecycle.

How It Works: The Joint Methodology

Referencing the ATX-M methodology, OpenLegacy fits explicitly into the **Decoupling Integration** phase, solving a critical challenge in any phased migration.



The Problem

ATX-M efficiently decomposes and refactors code into modern Java services on AWS. However, during the phased migration and deployment, the “New” (AWS Java applications) must communicate with the “Old” (business logic and data still on the mainframe). This integration is complex, risky, and can stall projects.



The Solution

OpenLegacy provides the “Integrate decoupled old to new and new to old” capability. It automates the creation of high-performance APIs that bridge the gap, ensuring that as you move waves of workloads to AWS, the data flow between the mainframe and the cloud remains uninterrupted, stable, and secure.

1

ATX-M: Analyze

Decompose monoliths and plan migration waves.

2

ATX-M: Refactor

Automatically convert COBOL to cloud-native Java.

3

OpenLegacy: Integrate

Instantly create APIs for seamless old-to-new integration.

4

ATX-M: Deploy & Run

Deploy refactored services on AWS with full interoperability.

The Composability Imperative: Unlocking Mainframe Value

When selling the technical vision, emphasize how OpenLegacy brings immediate composability to the mainframe, which is the key to unlocking agility and accelerating AWS consumption.

API-led Decoupling

The OpenLegacy Hub connects directly to core mainframe assets (like CICS transactions or COBOL programs) and automatically generates cloud-native APIs and microservices in minutes. This process, which bypasses traditional ESBs and integration layers, effectively “unlocks” data and business logic from the siloed mainframe environment, making them immediately available to new AWS applications.

Facilitating Hybrid Architecture (The Business Continuity Objection Handler)

This is the key objection handler for “business continuity.” A hybrid architecture is a reality for any large-scale migration. OpenLegacy ensures that new components refactored by ATX-M can reliably and performantly interact with business logic that still resides on the mainframe during the migration. This non-disruptive integration layer guarantees that critical business processes continue to function without interruption, de-risking the entire project.

Enabling the Strangler Fig Pattern

The joint solution is the perfect enabler for the Strangler Fig pattern. Customers can use OpenLegacy to “wrap” legacy functions with modern APIs. This allows them to build new, innovative services on AWS *today* that consume these APIs, without waiting for the full backend refactor. As ATX-M progressively refactors and replaces the backend components, the APIs are simply re-pointed from the legacy system to the new AWS service, with no change to the consuming application. This accelerates the consumption of AWS compute, database, and serverless services.

Customer Outcomes: Agile, Phased, Accelerated, and De-risked

Use these outcomes to articulate the powerful ROI and risk mitigation of the joint ATX-M and OpenLegacy solution.

ACCELERATED



ATX-M rapidly cuts the time for refactoring and decomposition. OpenLegacy accelerates the critical integration component, providing copybook-to-service in minutes. The combined result is a significant reduction in the overall project timeline and faster time-to-market for new digital features.

DE-RISKED



Risk is minimized across the lifecycle. ATX-M ensures code functional equivalence through automated refactoring. OpenLegacy ensures business continuity by maintaining a stable, high-performance, and nondisruptive integration layer between the hybrid (old and new) environment during the entire rollout.

AGILE



Customers can transition from a rigid, monolithic migration plan to an agile, continuous modernization approach. New features can be rapidly developed and deployed on AWS using the OpenLegacy integration layer, while ATX-M systematically refactors the backend code in parallel, delivering continuous value.

PHASED



The partnership enables a true, manageable phased migration strategy. Customers can prioritize business-critical domains, refactor them using ATX-M's migration plan, and deploy the newly refactored applications to AWS while maintaining seamless, real-time integration with the remaining mainframe systems via OpenLegacy.



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.