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AI-Driven Legacy Modernization at Scale with AWS & Rhino.ai

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In partnership with Rhino AI, we provide technology solutions that drive modernization, strengthen operations, and ensure compliance with evolving government standards.

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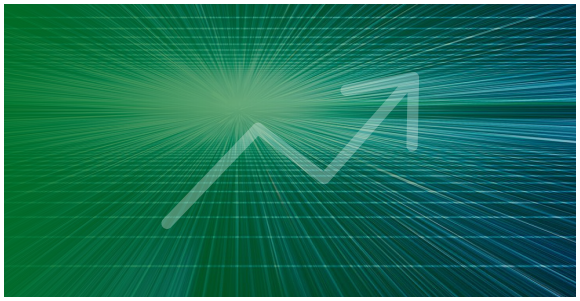
Challenges

Challenges with Traditional Modernization Approaches

- **Fragmented Delivery Models –** Consulting-led efforts lack standardization and business context, producing results that can't be easily repeated or scaled.
- **Legacy Debt Blocks Innovation –** Deep technical and process debt hinders responsible cloud and AI adoption.
- **Closed Systems Drive Cost & Risk –** Proprietary approaches create lock-in, inflate costs, and limit governance and transparency.



The Rhino.ai Solution

Rhino.ai and AWS deliver a **repeatable modernization blueprint** that moves enterprises from legacy to cloud-native architectures faster, safer, and more predictably.

- **Automated Discovery with Governance –** AI + Human-in-the-Loop extract & document legacy logic with full transparency and auditability.
- **Standardized, Controlled Transformation –** Transforms applications into modern AWS features driving 50–70% code auto-generated through governed pipelines.
- **Faster, Safer Modernization –** Reduces effort and cost by up to 50% while ensuring compliance & Responsible AI oversight.
- **Continuous Reuse and Scale –** Repeatable modernization patterns that can be reused across teams and projects.

Benefits

Accelerate legacy modernization with AI-driven automation to deliver faster, lower-cost, and lower-risk transformation.

Faster Time to Measurable Outcomes

Pre-built, governed processes to accelerate modernization delivering validated results in weeks, not months.

Derisk with Transparent Governance

Embedded Responsible AI controls, audit trails, and Human-in-the-Loop validation ensure every outcome meets risk and compliance standards.

Proven AI Path to Scale

Converts one-off modernization efforts into repeatable, AWS-powered patterns that can be deployed confidently across teams and regions.

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Rhino.ai hosted on AWS

Rhino.ai's repeatable, AI-driven modernization factory automates discovery (**assess**), documentation (**mobilize**), and enables transformation (**modernize**) of legacy systems into AWS-ready, cloud-native applications—in days and weeks, not months and years.

Built on Amazon Bedrock, Rhino.ai accelerates modernization by enabling:

- Faster assessment and transformation of legacy systems to AWS.
- Automated generation of application blueprints, documentation, and target architectures.
- Seamless **integration with AWS AI services including Q, Quick Automate, and KIRO**.

Case Study: US Government Agency

Challenges

A major operating division within the U.S. Department of Health and Human Services needed to modernize an outdated, undocumented legacy application with tight time and budget constraints.

Solution

Rhino.ai used its Bedrock-powered discovery agents to analyze the system, document its business logic, and automatically re-engineer the application to a cloud native architecture using other AWS services

Results

Rhino.ai enabled the government agency to meet its urgent timelines and come in under budget, while delivering greater cost savings, scale and systematic agility, and improving the overall mission effectiveness of the modernized application.

- **58% faster modernization** (12 months to 5 months)
- **60% cost reduction** compared to vendor quotes
- **70% less development effort** using AI-assisted code generation
- Delivered **compliance-ready, cloud-native** application hosted on AWS

Features

Intelligent Discovery & Documentation

Rhino.ai uses intelligent, automated requirements discovery via distributed agents leveraging AWS Bedrock models. These agents interpret and extract business logic, data relationships, and control structures from legacy and low-code environments using multi-modal code parsing and generative semantic reasoning. This process constructs a unified functional technical blueprint, enabling full-stack comprehension, dependency mapping, and modernization readiness with Human in the loop and references for each logic element to the source code for traceability.

Transformation to AWS Cloud Native Applications 70% Faster

Rhino.ai captures your enterprise business logic in Universal Application Notation (UAN) - a vendor-neutral spec that turns legacy complexity into clean, deployable targets. Rhino integrates natively with AWS agent and transformation services (including Kiro, Bedrock, and AWS Transform) to convert your enterprise ontology into ECS, EKS, and /or Lambda deployments. Modernization patterns are captured as reusable templates, enabling repeatable workflows and compounding velocity across similar workloads.

Visit Rhino.ai to purchase or start a Free Trial today.

Get started with Rhino.ai solutions on AWS Marketplace