

AI-Driven Legacy Modernization at Scale with Rhino.ai

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RHINO.ai

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Challenges

Challenges with Traditional Modernization Approaches

- **Fragmented Delivery Models** – Consultant-driven efforts often lack standardization and institutional knowledge, making outcomes difficult to scale across programs.
- **Legacy System Constraints** – Aging infrastructure and undocumented logic slow innovation and delay adoption of modern digital capabilities.
- **Closed Proprietary Systems** – Vendor lock-in increases cost, limits flexibility, and reduces transparency required for public sector governance.



The Rhino.ai Solution

Rhino.ai delivers a **repeatable modernization framework** that enables public sector organizations to transition from legacy systems to modern, mission-ready architectures – faster and safer.

- **Automated Discovery with Governance** – AI + Human-in-the-Loop extract & document legacy business logic with full transparency and auditability.
- **Standardized, Controlled Transformation** – Converts legacy applications into modern architectures with up to 50-70% automated code generation through governed pipelines.
- **Faster, Lower-Risk Modernization** – Reduces effort and cost by up to 50% while ensuring compliance & responsible AI oversight.
- **Continuous Reuse and Scale** – Captures modernization patterns as reusable assets, enabling consistent execution across agencies and programs.

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 Path to Scalable Modernization

Converts one-off modernization efforts into repeatable, mission-ready patterns that can be deployed across agencies, programs, and regions.

Platform Overview

Rhino.ai's AI-driven modernization factory automates discovery (**assess**), documentation (**mobilize**), and enables transformation (**modernize**) of legacy systems into modern, cloud-native applications—in weeks instead of months or years.

Key capabilities include:

- Automated generation of application blueprints and documentation.
- End-to-end traceability from legacy logic to modern systems.
- Seamless integration with enterprise platforms and environments.
- Vendor-neutral deployment flexibility across infrastructure options.



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 discovery agents to analyze the system, document its business logic, and automatically re-engineer the application to a cloud native architecture.

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 traditional vendor approaches
- **70%** less development effort using AI-assisted code generation
- Delivered a compliance-ready, modernized application aligned with mission needs

Features

Intelligent Discovery & Documentation

Rhino.ai uses intelligent, automated requirements discovery via distributed agents. 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

Logic Repository

Rhino.ai captures your unstructured business logic in a Universal Application Notation (UAN) – a vendor-neutral spec that turns legacy complexity into clean, modern application frameworks. Rhino supports containerized, microservices-based, or serverless architectures. Modernization patterns are captured as reusable templates, enabling repeatable transformation patterns across workloads and ensures portability across environments.

Modernize with Confidence

Rhino's AI driven solution extracts business logic from the existing legacy application portfolio, documents, code, and apps and creates a "Business Logic Repository"

Rhino.ai enables agencies to:

- **Assess** - Rhino creates a clear case for change
- **Mobilize** - Builds readiness of business logic
- **Modernize** - Accelerates transformation at scale



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