

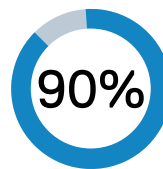
# Modernize the Mainframe for an AI-driven Enterprise

## AI-POWERED LEGACY TRANSFORMATION, FROM ASSESSMENT TO PRODUCTION

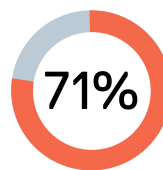
Your mainframe runs the business — but it's slowing down change.

**SoftServe Agentic Application Modernization (SAAM)-Mainframe** turns a 5–6-year rewrite into an 18–26-month, lower-risk transformation — increasing automation and reducing reliance on scarce legacy skills.

### MAINFRAMES ARE CRITICAL



of all credit card transactions run through mainframes. →



of Fortune 500 companies still use them. →

23 of the top 25 U.S. retailers rely on mainframes. →

## MODERNIZATION IS QUICKLY BECOMING A CRITICAL RISK-REDUCTION PRIORITY.

Talent is aging, costs are rising, and legacy systems can't integrate with modern APIs, cloud, or AI (all while compliance demands increase). Every year you wait, the risks increase.

Regulatory pressure often drives companies to modernize, even outside the public sector. For example, federal agencies **spend up to 80%** of IT budgets on legacy systems, creating major cybersecurity and compliance risks. However, modernizing is difficult. **Up to 84%** of digital transformation projects fail, largely due to complexity and skill shortages. Among these, mainframe modernization is the riskiest.

## HOW DOES SAAM-MAINFRAME PERFORM IN A REAL MODERNIZATION PROJECT?

The biggest challenge in modernizing mainframes is understanding and transferring the business knowledge embedded within the system. To get it right, you need to use AI to map the system's behavior first. With SAAM-Mainframe, you don't guess what's inside; you see it, map it, and plan with precision. We offer a tested path to modernization, with outcomes you can measure.



65%

faster execution



70%

cost reduction



70–75%

increased automation



We assessed more than **671,500 RPG** and COBOL objects to compare economics with and without SAAM-Mainframe. We then used AWS Transform, Kiro, and SoftServe Adaptive Modernization Platform (SAMP) to bring their AI transformation to life.

## HOW IT COMPARES

SAAM doesn't rely on guessing or inference and it integrates agentic AI systems end-to-end.



Traditional approach:

48-72 MONTHS, \$18-28M



With SAAM-Mainframes:

18-26 MONTHS, \$5-8M



Savings:

\$13M-\$20M



Automation:

15-20% → 70-75%

## KEY TERMS

### SAAM-MAINFRAME

SoftServe Agentic Application Modernization

### AWS TRANSFORM FOR MAINFRAME

The first agentic AI service for large-scale migration and modernization of legacy apps

### KIRO

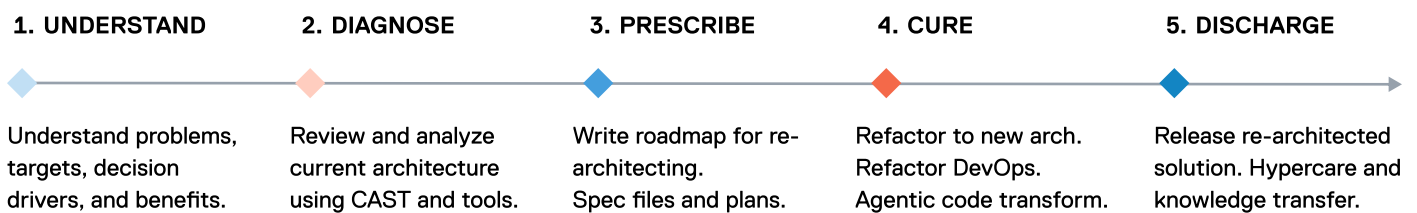
AI-powered code and dependency understanding

### AI-POWERED SAMP

SoftServe Adaptive Modernization Platform is an accelerator that helps you switch to platform engineering and modernize faster

SAAM reduces risk with a paired review (architecture + code). Deterministic system maps create trustworthy artifacts, not best-effort inference. A phased "strangler" execution minimizes unknowns. You get human-readable architecture, estimates, a roadmap, and machine artifacts.

## A SYSTEMATIC, EVIDENCE-BASED, REPEATABLE APPROACH



## ENGAGEMENT OPTIONS

### QUICK ASSESSMENT

2-4 weeks

### PILOT PROGRAM

6-12 weeks

### FULL MODERNIZATION

6-18 weeks

## NEXT STEPS

Mainframes still power your most revenue-critical systems, but the 30 years of old code tangled inside is a problem. SoftServe offers the fastest, safest, and most cost-effective path to converting decades of legacy value into modern digital capability.



Ready to modernize your mainframe  
~65% faster and ~70% cheaper?

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