

AI-DRIVEN MAINFRAME MODERNIZATION

Modernize COBOL applications faster and establish a path away from legacy mainframe dependency.

60–80%

**IT BUDGET OFTEN SPENT
MAINTAINING LEGACY
MAINFRAME ENVIRONMENTS**

Industry estimates

15 YEARS

**AWS MAINFRAME
MODERNIZATION HERITAGE**

AWS Blu Insights foundation

MONTHS

**TO COMPLETE MODERNIZATION
ACTIVITIES THAT HISTORICALLY
REQUIRED YEARS**

*AWS Transform
modernization approach*

WAVE-BASED

**RISK-MANAGED MODERNIZATION
AND CUTOVER MODEL**

*Perficient delivery
methodology*

THE OFFERING

An 8-week Proof of Value that takes organizations from COBOL inventory to production-ready Java on AWS. Perficient combines mainframe and cloud-native expertise with AWS Transform's AI-powered automation to accelerate analysis, business rule extraction, and code modernization.

HOW WE MODERNIZE AT SCALE

Perficient pairs mainframe expertise with AWS Transform to automate code analysis, business rule extraction, domain decomposition, COBOL-to-Java refactoring, and modernization planning. Human review remains embedded throughout every validation checkpoint.

3-PHASE DELIVERY

1 ASSESSMENT & PLANNING: WKS 1–3

- Code inventory and complexity assessment
- Dependency mapping
- AWS Transform setup
- Migration wave plan
- Client receives:** Codebase inventory, domain decomposition map, target architecture, and prioritized migration wave plan

2 PILOT MODERNIZATION: WKS 4–6

- Pilot domain transformation
- COBOL-to-Java validation
- Automated comparison testing
- Approval checkpoints
- Client receives:** Pilot Java application, comparison test results, and program recommendation

3 WAVE 1 & EXPANSION: WKS 7–8

- Production-ready modernization wave
- Portfolio roadmap
- Wave execution model
- Expansion planning

WHY PERFICIENT?

Most AWS partners lack mainframe depth, and most mainframe specialists lack cloud-native expertise. Perficient brings both, helping organizations modernize legacy systems while building for the future.

- Mainframe expertise:** Deep experience with COBOL environments and business logic
- Cloud-native architecture:** Production Java workloads designed for AWS
- Transformation strategy:** Guidance on refactor, replatform, or reimagine approaches
- Governance & validation:** Human review at every modernization checkpoint
- Knowledge transfer:** Enable long-term ownership of the modernized platform

AWS FUNDING ELIGIBILITY

- AWS Modernization and Migration Program (MMP) funding may be available for qualifying engagements
- AWS Transform pilot engagements may qualify for additional funding assistance"
- And replace sentence with: "Perficient reviews funding eligibility and manages the application process as part of engagement kickoff.

GET STARTED

Perficient will assess your mainframe environment, identify the right transformation path, and provide a portfolio review, complexity estimate, and roadmap recommendation. Start with a no-cost discovery conversation.

[Schedule a Discovery Call](#)