Modernize Without Compromise

Seamlessly evolve your mainframe systems while preserving mission-critical reliability

Do you face these barriers to growth?

→ **Poor business agility** due to outdated and tightly coupled applications

→ **Scarce talent** to keep mainframe applications running

→ **Increasing costs** for maintaining or moving applications off the mainframe, as well as, the opportunity cost of keeping the status quo
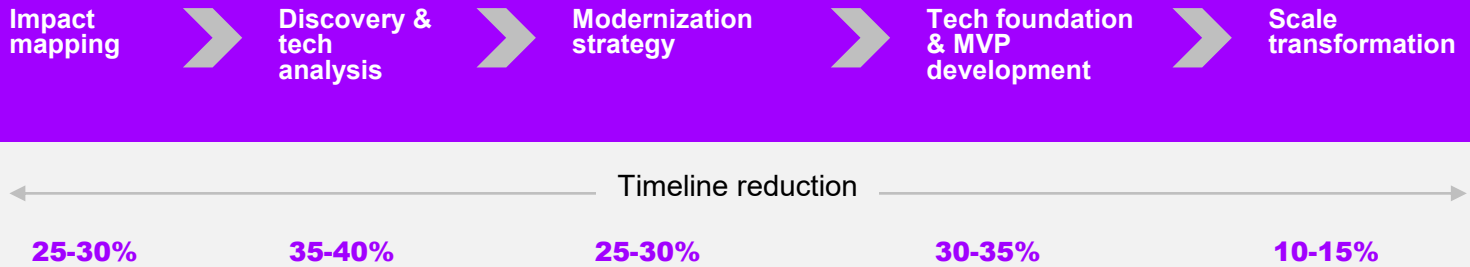
These mainframe modernization challenges have existed for years. What's different now?

Emerging advancements are illuminating a mainframe modernization path within reach.

Modern cloud platforms now rival mainframes in performance, scalability, and resilience, offering organization's a viable alternative to conventional, monolithic, and dedicated mainframe hardware.

AI supercharges Reverse Engineering and Forward Engineering tools like AMT, Google MAT, myNav, GenWizard and Dual Run, unlocking new opportunities by accelerating and de-risking journeys previously dependent on an ever dwindling pool of legacy Subject Matter Experts.

From Long Winded to Just right: Gen AI Accelerates Mainframe Modernization, Cutting Timelines by 30-40%

Impact mapping		Discovery & tech analysis		Modernization strategy		Tech foundation & MVP development		Scale transformation

Timeline reduction

25-30%	35-40%	25-30%	30-35%	10-15%

Starting the modernization journey

First, we need to understand the modernization solutions a company can use. Application modernization offers several key advantages. According to our Mainframe Modernization Survey, those most cited include:

70% better integration with other platforms

59% increased agility

57% reduced maintenance costs

Accenture + Google together, by the numbers

26X consecutive Google Partner Award Winner (2011-2025)

Leading Global SI Partnership with 8 specializations

1500+ Google engagements

14k+ Mainframe professionals globally

20,000+ API, Modernization and Microservice practitioners

68+ locations delivering Cloud, Modernization and Innovation services

What we offer?

A GenAI-powered modernization solution built on a powerful blend of innovation, technology, and expertise—delivering faster, smarter results.

Cognitive Mainframe Reimagination
Agentic AI enabled Discovery, Strategy & Architecture

Mainframe Optimization
Preserves core Mainframe while addressing specific pain points

Hybrid Mainframe Integration
Modernize individual applications

Progressive Mainframe Exit
Mainframe Zero

Data & AI
Promoting data accessibility and security before, during, and after the modernization journey.

Quality & Performance Engineering
Automating testing—including system integration and security testing—to validate that the modernized solution meets stringent quality criteria.

Application Engineering
Designing, developing, and improving applications in a modern, sustainable way.

Business Driven
Focusing on value-driven outcomes that meet the long-term business needs of the organization.

Security
Embedding a secure-by-design mindset from inception through deployment.

Talent & Operating Model
Establishing an operating model to develop and sustain the right skills for the modernization journey.

Infrastructure Engineering
Providing the infrastructure best suited to support the modernization journey.

Modernization Enablers

Mainframe Assessment Tool (MAT)

Google Kubernetes Engine

Vertex AI

Cloud SQL

Compute Engine

Dual Run

Cloud Storage

myNav® Cloud Modernization

GenWizard For Application Modernization

Powering innovation and differentiation with Google Cloud

3x Increase in developer productivity

Enable Daily deployments

40% Improvement in ability to respond to business needs

30% Reduction in carbon emissions per app

Up to 60% Reduction in computational costs

30%-40% Improvement in overall timeline from GenAI automation

1–2 Years to realize ROI, after mainframe shutdown

To develop a better business future, talk to the team creating value through transformative solutions: https://www.accenture.com/contact-us