

The Shortest, Safest Route from Mainframe to the Cloud

Reduce risks, costs, and duration of mainframe-to-cloud migrations with an end-to-end, GenAI-assisted transformation solution.

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Table of Contents

From Mainframe to Cloud	3
Legacy Discovery and Operational Continuity	4
Refactoring and Application Rationalization	5
A Deeper Dive into the FastTrack Factory	6
FastTrack Factory	7
Cloud Migration and Deployment	8
Day 2 Operations and Continuous Innovation	9
Winning the Cloud Race with GenAI	10
Unique Funding Model	11
The Power of a Unified Approach	12
Get in Touch	12

From Mainframe to Cloud

Why modernize?

In today's competitive markets, the ability to optimize processes and maximize customer engagement sets winners apart. To achieve this, businesses need to leverage actionable insights from relevant data in real-time.

Doing so demands effective use of artificial intelligence (AI) and machine learning (ML) tools which require the muscle and flexible capacity of hyperscale public cloud.

Enterprise organizations, especially those in highly regulated sectors like financial services, government, telecom, are often behind the cloud adoption curve. It is vital to act with speed and prudence to mobilize secure, compliant, value-driven cloud adoption.

End-to-End Modernization

Traditional modernization projects are often fragmented, costly, and limited in scope. They consume budgets quickly and produce isolated pockets of improvement rather than lasting transformation. Solving one challenge often creates new dependencies elsewhere, leaving organizations trapped in cycles of partial progress.

Our end-to-end modernization solution breaks this pattern by offering a comprehensive, low-risk, and cost-optimized transformation journey, from legacy assessment to cloud deployment and ongoing operations.

Built on the combined strengths of Amdocs' FastTrack Factory and Amdocs Studios' digital transformation capabilities, this approach accelerates outcomes, reduces disruption, and ensures measurable business value at every step.





Legacy Discovery and Operational Continuity

A holistic understanding of the current mainframe environment ensures that modernization efforts align with business priorities, regulatory needs, and operational dependencies. This foundation reduces risk and prevents disruptions to critical services.

Our automated discovery tools, supported by a proven methodology and domain expertise, identify optimization opportunities and define clear modernization roadmaps tailored for each client's needs. This foundation ensures operational continuity while preparing the environment for transformation.

Global Insurance Leader Solves Mainframe Challenges

A leading global insurance provider that has been providing peace of mind to its customers for over a century entrusted Amdocs with its mainframe transformation and cloud migration:

- Six mainframe systems fully modernized
- Modernized applications with functional equivalency
- Significant cost savings as soon as 18 months from the project start
- Multiple data models consolidated
- Adopt advanced analytics, GenAI, and enhance the customer experience

Refactoring and Application Rationalization

We offer the most comprehensive, integrated automation toolset for code conversion, database migration, testing, and validation.

The FastTrack Factory accelerates and standardizes a successful mainframe migration project by automating the entire process:

- Code transformation, data conversion and database migration
- Testing of online and batch applications
- Workflow automation

Using FastTrack, legacy applications written in COBOL, Assembler, Natural, or PL/I are intelligently refactored into modern languages such as Java or C#. The process preserves business logic while eliminating technical debt. Non-essential or redundant applications are retired, reducing costs and simplifying the IT landscape.

Achieve rapid results and modernize with confidence

Fully automated code and database migration allows you to focus on strategic decisions, without getting bogged down in manual execution. The Amdocs FastTrack Factory reduces the duration of a typical migration project by as much as 90%.

Fully automated testing reduces risks and provides complete teams with confidence that the migrated applications will behave the same as the original applications.



**100%
automation**



**Up to 90%
project duration
reduction**



**No business
interruption**

A Deeper Dive into the FastTrack Factory and Process

The FastTrack Factory consists of four main building blocks:

CodeTurn

Automated Code Transformation

DataTurn

Automated Data Conversion

TestMatch

Automated Code Testing

DataMatch

Automated Batch Testing

CodeTurn

CodeTurn automates the refactoring of legacy code into modern programming languages such as Java, C#, or others achieving automation levels of approximately 99.99%.

DataTurn

DataTurn automates the migration of data from legacy databases such as IDMS and Natural & Adabas to virtually any modern relational database, – including SQL Server, Oracle, IBM Db2, PostgreSQL.

TestMatch

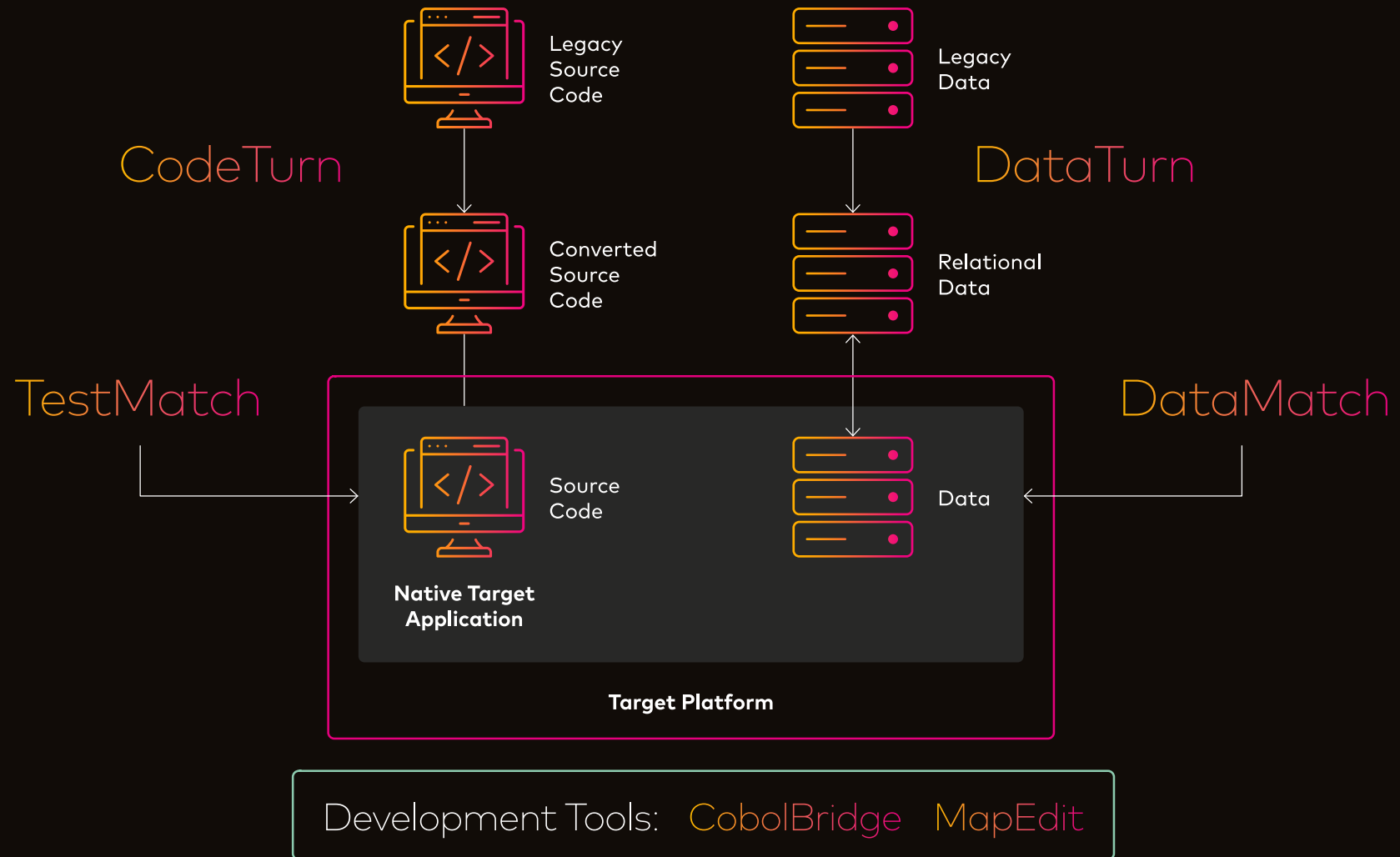
TestMatch uses tracing capabilities within source IBM or Unisys platforms to record user activity, replay, compare, and flag any errors.

DataMatch

DataMatch performs a comparison of the source and target databases, and reports any discrepancies, providing fully automated support for testing batch code.

Contact us for a guided tour of the FastTrack Factory:
cloud@amdocs.com

FastTrack Factory



Cloud Migration and Deployment

The urgent need for cloud migration and modernization has never been greater. However, many transformation initiatives fail to meet expectations. High costs, complexity, lack of expertise and manual processes are among the factors contributing to this shortfall.

We help enterprises overcome these challenges through agentic AI-assisted cloud migration and modernization services that intelligently prioritize workloads, automate migration, and accelerate enterprise cloud transformation at scale.

We partner with all hyperscalers, ensuring seamless deployment, workload portability, and compliance.

North American Tier 1 Telecom Company

A tier 1 telecom organization in North America worked with Amdocs to modernize their mainframe environment and migrate applications to the cloud.

The challenge: Mainframe footprint

The company wanted to implement optimization processes to logical partitions, reduce their mainframe footprint to save costs, and modernize and migrate mainframe applications.

The solution: Transformation with Amdocs

Amdocs implemented infrastructure and system operations, application maintenance, development of 98 %of the telecom organization's mainframe applications, and application transformation or migration to the cloud. This included converting hundreds of applications to Java, spanning approximately 80 different legacy technologies.

The result: Hardware, MIPS, risk, and cost reduction

The client dramatically reduced the number of mainframe servers and thousands of MIPS, while enabling and supporting their modernization roadmap. End-to-end accountability with proven methodology and practices reduced project risk. Plus, the enterprise achieved enhanced operational resilience, security, and compliance.

Day 2 Operations and Continuous Innovation

Once in production, the solution extends into ongoing management and optimization. AI-driven automation, observability frameworks, and FinOps practices ensure that the new environment remains cost-efficient, resilient, and continuously improving. Through Amdocs Studios' integrated ecosystem, organizations gain the ability to evolve further, adopting new technologies, integrating with digital services, and driving innovation across the enterprise.

Benefits:

- Intelligent automation for stability and cost control
- Continuous compliance and observability
- Future-ready platform for new services and innovation





Winning the Cloud Race with GenAI

Transformation Intelligence for Next-gen Applications

Recent years have seen a mainframe “cloud race” as companies look to optimize costs and create a foundation for modernization. These developments typically start with the refactoring of legacy IT to build like-for-like computing environments in the cloud. While this brings some advantages, inherent problems with the mainframe architecture are not resolved.

Deconstructing the mainframe into smaller, distinct microservices aligned with specific business domain requirements is an essential next step. The journey to a microservices architecture however tends to be lengthy, expensive, and unpredictable.

Our Mainframe Modernization agents overcome many of the obstacles which hinder mainframe modernization. These agents are expertly engineered, human-guided and LLM agnostic. It combines decades of mainframe modernization insight with deep knowledge of IT architectures and GenAI principles.

Contact us for a demo: cloud@amdocs.com

Customers have seen a 60-80% reduction in costs, a 60% increase in staff productivity and a 20% rise in resilience. They also reported increased business agility, improvements in integration, and the ability to access new capabilities.

Unique Funding Model

Depending on the selected solution and objectives, modernizing legacy applications can lead to a 60-80% reduction of operational and maintenance expenses. Some of our clients achieved up to 90% savings in operating costs following their digital transformation initiatives.

Organizations choosing this transformation approach get access to the Amdocs end-to-end mainframe modernization program, designed to be cost-efficient, low risk, and future-ready. The program follows a self-funding model, where savings from mainframe optimization and cloud migration help offset transformation costs.

The delivery model brings together a comprehensive modernization framework, complete automation through a cloud migration factory and experienced delivery teams. With a single-vendor accountability model, organizations can reduce risk, simplify execution, ensure operational continuity and achieve measurable business outcomes while preparing their IT landscape for ongoing innovation.



**60-80%
cost savings**



**Self-funding
model**



The Power of a Unified Approach

By connecting every stage of transformation through a single delivery framework and accountability model, we can provide our clients with:

- Faster time to value through intelligent automation and proven methodologies
- Reduced risk with a single-vendor model and end-to-end governance
- Sustainable cost savings enabled by self-funding modernization models
- Future-ready architecture designed for agility, scalability, and innovation

The result is a unified, data-driven transformation path that allows enterprises to migrate with confidence, modernize with purpose, and operate with intelligence.

Get in Touch

For more information about the Amdocs FastTrack and mainframe to cloud migration, contact our experts: cloud@amdocs.com



With Amdocs, you benefit from a complete, end-to-end solution – not just conversion software.

Amdocs helps those who build the future to make it amazing. With our market-leading portfolio of software products and services, we unlock our customers' innovative potential, empowering them to provide next-generation communication and media experiences for both the individual end user and large enterprise customers. Our employees around the globe are here to accelerate service providers' migration to the cloud, enable them to differentiate in the 5G era, and digitalize and automate their operations.

Listed on the NASDAQ Global Select Market, Amdocs had revenue of \$4.53 billion in fiscal 2025.

For more information, visit www.amdocs.com