

RE-ENGINEER LEGACY SYSTEMS TO TAKE FULL ADVANTAGE OF NEXT-GEN TECHNOLOGIES

Enterprises today want to adopt next-generation architecture such as cloud, mobility and DevOps to:

- Increase revenue through analytics-driven insights on campaign results
- Reduce time-to-market by simplifying process complexity
- Increase business agility through new business models

However, to do this, they must first migrate existing technologies and functionalities – and this is where legacy systems can play the spoiler. So, how do enterprises modernize legacy applications and become digital without incurring further risk and cost?

Maximize value through Re-engineering with Infosys

Infosys helps companies become digital enterprises by re-engineering business processes through an iterative modernization model that achieves continuous improvement and eliminates risk of failure.

We leverage in-house tools, accelerators and platforms that reduce manual effort and cut cost and time by 25-30%. Tools such as the Infosys Test Automation Accelerator automate and accelerate regression and end-to-end testing. The Infosys Data Service Suite (iDSS) bundles data-related services into a single tool, thereby simplifying data migration. The Infosys Knowledge Curation Platform (Ki) combines processes, static

technology views and dynamic data points from systems, giving you a single source of truth. It also helps in identifying and providing quick wins so you can realize business benefits instantly.



Infosys approach

As part of the re-engineering solution, we help you:

- Leverage open source to reduce cost and increase agility in data management, analytics, UI/UX, and app development
- Adopt mobility for consumer facing applications to curate an omni-channel, consistent and personalized customer experience
- Implement DevOps to automate the software delivery lifecycle
- Use real-time analytics for preventive, predictive and personalized insights
- Access cloud-native applications that are elastic and infrastructure-independent
- Customize APIs and microservices

All of this is done in a phased and iterative manner as shown below

	Digital Modernization -Iterative	Breaks portfolios and monolithic apps based on various parameters, uses an iterative approach to meet target state and executes validation at each iteration stage
	Inventory Analysis	Uses a top-down approach by assessing your portfolio to identify the right applications for re-engineering based on surveys/meetings with SMEs; Uses a bottom-up approach to discover hidden information and external dependencies in your inventory using in-house tools and create the modernization roadmap
	Business Rules Extraction	Parses code into small snippets, identifies duplicate rules, classifies rules, and generates reports based on lines of business, which are then validated with SMEs
	Application Migration	Reverse engineers the target application by extracting rules and uses forward engineering to accelerate the target application with next-gen architecture using a tool-based approach
	Database Migration	Enables data extraction from the source, formats data as required, loads data into the target environment, and verifies referential integrity
	Post Migration	Provides post migration support, user training and knowledge transfer while measuring the benefits realized

Why choose Infosys?

- Over 10 years of re-engineering experience in multiple projects across various domains
- Resource pool of over 28,000 mainframes and 4000 AS400 architects who have successfully delivered re-engineering solutions
- Well-defined best-practices, governance structure and program execution models for re-engineering

Success stories



Singapore bank enhances customer experience: Infosys helped a Singapore-based multinational bank re-engineer COBOL to JAVA and migrate to a cloud-based platform, thereby enabling next-gen and microservices architecture that enhanced customer experience and provided support for mobility solutions.



Insurer increases productivity by 20%: By transforming the legacy system with a web-based solution and service-oriented architecture (SOA), Infosys enabled a US-based insurance company to deploy user-friendly features and interfaces that improved employee productivity by 20% and reduced TCO by 25%.



Scalable platform helps aerospace company meet future growth: Infosys re-engineered the legacy applications of a leading aerospace company to a web-based platform, thereby improving the customer experience and providing a highly scalable platform that supports their growing business needs.

For more information, contact askus@infosys.com

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Navigate your next

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