Infosys

Infosys and define mainframe modernization strategies to accelerate digital transformation with immediate cost benefits.

Overview

Infosys is a global leader in technology services and consulting, enabling clients in over 46 countries to create and execute strategies for their digital transformation. Its team of nearly 200,000 innovators is differentiated by the imagination, knowledge and experience that is brought to each project.

Challenge

CIOs globally are under pressure to quickly implement business and regulatory changes in the technology landscape. While delivering an excellent customer experience is a priority, this is often hampered by core mainframe systems that are technically complex. As applications age, they grow larger, more complex

> **"We estimate that our customers are saving up to 30% of their modernization cost by using Enterprise Analyzer along with Infosys in-house tools and expertise when modernizing their applications."**
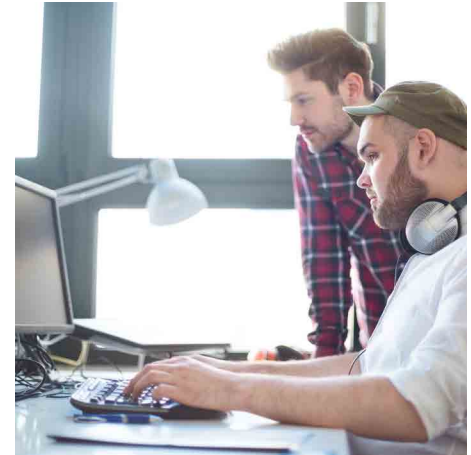
GAUTAM KHANNA
Vice President and Head Modernization Practice
Infosys

and harder to comprehend. Moreover, organizations depend on manual processes to locate and remedy issues, which is time-consuming and an unwise use of resources that should be leveraged to deploy critical changes.

Gautam Khanna, Vice President and Head of the Infosys Modernization Practice, explains: "To begin modernization, demystifying existing mainframe applications is essential to maintain full business continuity. The core business rules have to be identified and mapped, and this is where Infosys helps customers get more value from their mainframes immediately by leveraging Micro Focus (now part of OpenText™) technology."

Rather than building business services from scratch, Infosys helps organizations extend the value of their current, trusted business processes by shifting the business services online or on mobile. This helps reach new audiences and comply with updated regulations more quickly and at lower risk.

When a client decides to modernize a mainframe application it is imperative that the wealth of experience coded into the application, the business logic, is not lost. Errors due to incomplete application knowledge, inadequate interviews, and dated documentation can lead to inaccurate functional specifications. Ultimately,

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Navigate your next

At a Glance

■ **Industry**
Software and Technology

■ **Location**
Global

■ **Challenge**
Support customers in their digital transformation journey without business disruption

■ **Products and Services**
Micro Focus Enterprise Analyzer

■ **Results**
+ Potential savings of up to 30% of modernization costs
+ Detailed impact analysis reduces application maintenance time and effort
+ Code analysis and transparency streamlines complex modernization projects
+ Valuable business processes extended to a modern infrastructure
+ Streamlined development eases compliance with updated regulations

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these mistakes are magnified in the modernized applications, leading to unpredictable and unexpected results.

Solution

Infosys provides a proven services and technology solution to tackle these challenges with a robust and predictable approach to modernize the mainframe and support digital transformation.

The solution, called Infosys Mainframe Modernization Roadmap Methodology, starts with an application pre-assessment followed by a portfolio assessment to determine the right modernization solution. The analysis process identifies all the use cases, associated components and their dependencies to understand the complexity of the landscape. It also uncovers quick-win opportunities so clients can realize immediate benefits.

Micro Focus™ Enterprise Analyzer by OpenText™ delivers a wide array of functionalities and content to accelerate application modernization projects. Infosys extensively employs this solution as a key part of their methodology. When business rules are deeply woven into an application, it can be difficult to isolate a process at the correct granular level. Business processes may contain thousands of rules buried within millions of lines of code across multiple applications. To uncover these rules manually is simply impossible. Micro Focus Enterprise Analyzer helps locate and isolate the business rules. It also uncovers, understands and reuses critical processes, thereby significantly streamlining the modernization project.

Gautam comments: "Deploying [Micro Focus] Enterprise Analyzer gives our developers rapid insights and complete impact analysis in their customer's mainframe system. [Micro Focus] Enterprise Analyzer also provides metrics related to the application size, complexity, criticality, and stability; all great indicators of the technical complexity the application represents."

Results

Infosys customers across the globe have benefited from this streamlined approach to application modernization.

A global car manufacturer experienced multiple outages in their core mainframe business functions such as vehicle supply chain, after-sales and financial services. Infosys conducted a portfolio assessment using Micro Focus Enterprise Analyzer that covered 73 applications containing 23 million lines of code (LOCs). The assessment identified high priority applications. Following this, a modernization strategy was designed for all applications. The client now has the opportunity to move applications to the cloud, retire them, or optimize them, while leveraging advanced disaster recovery strategies.

A US-based healthcare insurer wanted to minimize its mainframe footprint to address the risk of an aging workforce and reduce maintenance costs. Infosys leveraged Micro Focus Enterprise Analyzer to group and prioritize the mainframe portfolio. The team identified 98 applications, of which 40 were inactive and ready for retirement. This could lead to potential savings of $7 million annually for the organization.

As part of their cloud-first strategy, an Australian retailer wanted to modernize their mainframe applications, 30 of which were used for their supply chain processes. Infosys recommended redeployment of the key applications to Amazon Web Services (AWS) by leveraging Micro Focus Enterprise Analyzer. Now, the inventory of 19,000 components and 3.1 million LOC will be redeployed to AWS, leveraging OpenText™ Enterprise solutions. This could help the client save nearly 50 percent in costs over the next 5 years.

Gautam concludes: "The partnership between Micro Focus (now part of OpenText™) and Infosys helps our clients quickly transition from a current inflexible, inaccessible state to a highly flexible and modern architecture, delivering great ROI and easing regulation compliance. We estimate that our customers are saving up to 30% of their modernization cost by using [Micro Focus] Enterprise Analyzer along with Infosys in-house tools and expertise when modernizing their applications."

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