

# Modernize Your Mainframe Applications using Intelligent Automation

TCS MasterCraft





Organization across domains and geographies have business-critical applications running on decades-old mainframe technologies. The applications are rigid to accommodate changes in the agile market and relevant skilled resource is difficult to find. Hence several organizations embark on transforming these legacy applications into a modern, agile and easy to maintain technology.

A mainframe modernization journey poses several challenges, such as What is the best option for their organization - re-develop, re-platform, re-architect or retire these legacy applications? How can they optimize the transformation cost, quality and the time? Who can help them ensure success in modernizing critical applications?

TCS MasterCraft™ TransformPlus is an intelligent automation product that converts mainframe applications from existing technology and to a modern technology. It helps accelerate an organization's digital transformation journey by not only reducing the time to market, but also brings down the maintenance and operational costs. It automates legacy modernization, through the following stages:

**Start:** Analyse the complete enterprise portfolio to narrow down to an ideal start point through impact analysis

**Discover:** Extract knowledge, business rules and other structural information from the application source code through automation

**Design:** Group the various core elements and draft a proper transformation strategy to carry out the modernization plan

**Modernize:** Upgrade legacy applications and platforms to latest technologies and platforms using a set of automation tools

**Validate:** Substantiate the modernization process through complete validation and reuse of existing variables



## Key Features

### Impact Analysis

Combines variable flow and heuristics-based analytics to give field-level analysis for selected variables, covering their usage across the entire application.

### Business Rule Management

Provides the capability to extract, translate, classify and rationalize business rules.

### Golden/ Central Repository

Creates a complete repository that upholds the entire modernization process and insights about the application and data portfolio.

### Up-to-date documentation

Documents in-depth details of the applications for decision support on future modernization or knowledge transition.

## Outcomes

### Operational Efficiency

Applications are modernized with zero downtime, with no business disruption.

### Seamless Execution

The execution is done by 'Analyze-Strategize-Execute' approach, without any rudimentary conversion, but with appropriate migration for individual application.

### Zero-spill migration

Variable approach for different teams, suiting their methods for modernization, with no loss of data and business process disruptions.

### Cost Optimisation

Balanced automated transformation ensuring minimal transition time, with end-to-end traceability of the process.

## Contact

To know more about TCS MasterCraft TransformPlus, contact [\*\*mastercraft.sales@tcs.com\*\*](mailto:mastercraft.sales@tcs.com)

## About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled infrastructure, engineering TM and assurance services. This is delivered through its unique Global Network Delivery Model, recognized as the benchmark of excellence in software development. A part of the Tata Group, India's largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

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