

TCS MasterCraft™ TransformPlus

Technology Conversion - Cobol to Java



For modern enterprises, digital transformation is no longer an 'if', but a definitive 'when'. As digital-native disruptors enter the market and end-customers adopt a tech-first stance, business processes must be modernized. A vital part of this conversation is pan-organization cloud migration. This would standardize mission-critical tasks and reduce your Total Cost of Ownership (TCO). However, cloud migration is often hindered by coding deficiencies and architectural non-compliance. In the absence of adequate knowledge-bases and automation capabilities, enterprises risk time, effort, and resource inefficiencies.

TCS MasterCraft TransformPlus Application Cloud Migration helps the Enterprises to move their applications to Cloud environment. Technology Conversion profile of this edition enable the transformation of Monolithic Legacy IBM COBOL Application to Layered Java Application. The core functionality of the legacy system will be preserved as-is and the converted application is moved to a preferable cloud platform.

Overview

TCS MasterCraft TransformPlus provides an automation platform for enterprises to transform monolithic, legacy IBM COBOL Application to a layered Java Application, making them cloud-ready. TransformPlus preserves the core functionality of the legacy system and the converted application is ready to be moved to a preferred cloud platform.

Our Solution

TCS MasterCraft TransformPlus Application Cloud Migration Edition converts Legacy IBM COBOL Application to cloud-ready Java application.

Monolithic to Layered Architecture: Typically, IBM Mainframe applications in COBOL will be in monolithic architecture, with all the presentation, Business & Data accesses coded within the COBOL programs. TransformPlus converts these components into separate layers as below

- CICS screens to Angular Screens
- Business logics to Java classes
- Copybooks to POJOs, VOs
- DB access to DAOs
- Communication layer using Controller

ISO-Functional conversion: TransformPlus migrates and modernizes the current legacy application's technology and the platform, without changing the functionalities of the applications.

Framework Enabled (Spring Boot, JDBC/SQLJ):

TransformPlus enables the converted code with Spring Boot & Data access that can be implemented through JDBC or SQLJ framework

Target Environment-Independent:

The converted code can be deployed on Private/Public/Hybrid Cloud or On Premise or on Mainframe itself using zIIP/ zAAP processors

Benefits

TCS MasterCraft TransformPlus helps enterprises doing conversion of legacy technology with:

- **High level of automation:** TransformPlus provides more than 80% automation for the Java code conversion.
- **Compliance to customer-specific coding standards:** TransformPlus provides SONAR rules sets for code standards, out of the box. The product can also be customized to adhere any customer-specific standards.
- **Error-free Java output:** The converted code in Java will be error-free during compilation.
- **Significant cost savings during conversion:** Automation with TransformPlus ensures a cost savings of about 50%, when compared to a manual conversion approach.
- **Flexibility for handling customer specific requirements:** Specific requirements for the target Java code can be analyzed for feasibility and included during the translation.
- **Human-readable java output:** The converted Java code will be in Layered architecture, with no dependency on TransformPlus post-conversion for execution/ customization.

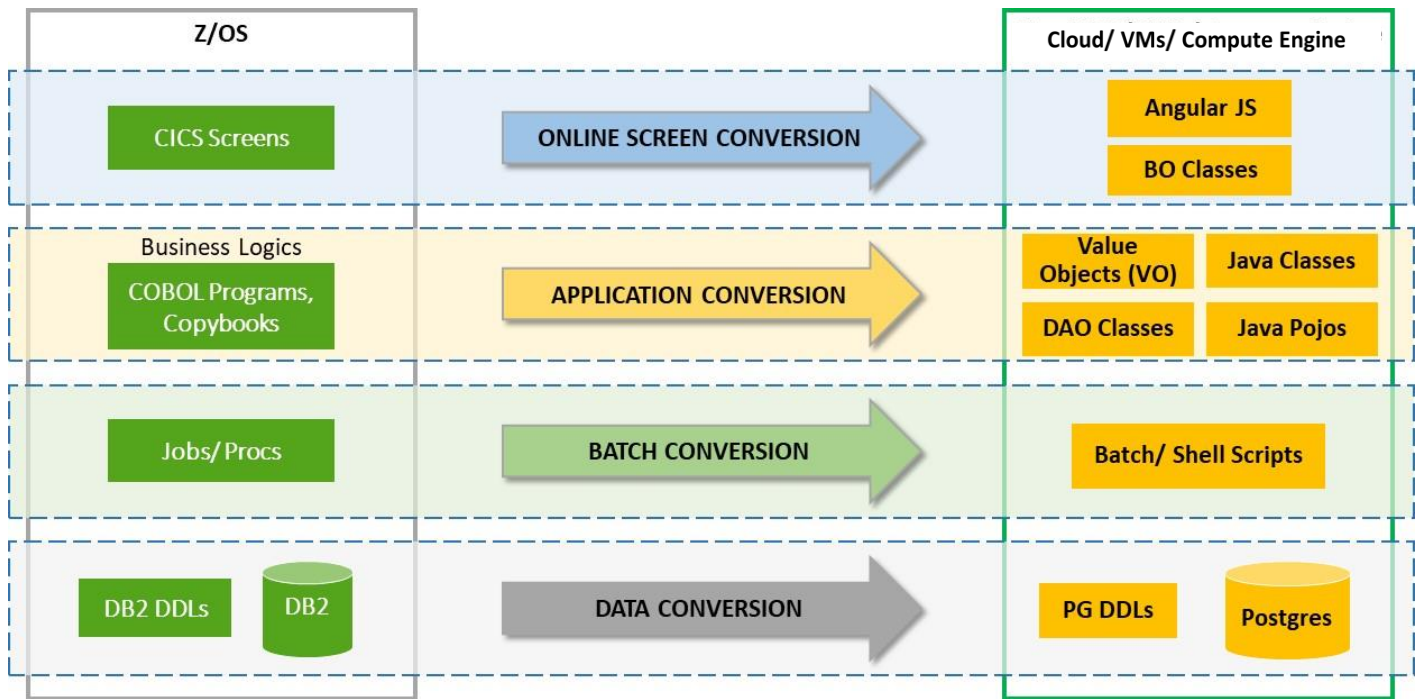


Figure: Application Technology Conversion using TCS MasterCraft™ TransformPlus

The TCS Advantage

Partner with TCS to leverage the following key differentiators:

End-to-end orchestration - TCS orchestrates four key enterprise components: application, technology, platform, and data. This creates a contextual cloud ecosystem, equipped for automated and agile virtual processes.

A robust partner network - TCS provides a wide range of integrated modules, spanning global cloud leaders such as Amazon, MS Azure and Google, offering enhanced flexibility when migrating.

Built-in scalability - TCS' unique solution design and deployment model implements a fully functional solution that can be scaled in-sync with growing business requirements.

Cross-industry support - TCS fine-tune delivery capabilities for multi-cloud and hybrid cloud integration scenarios, with support across a variety of geographies and sectors.

Awards & Recognition



To know more

Visit www.mastercraft.tcsapps.com

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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 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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