

TCS MasterCraft™ TransformPlus

Distributed Systems Migration



With Google, Amazon AWS, and MS Azure disrupting the enterprise landscape, we're looking at all new operational models for global enterprises. This calls for an end-to-end transition to virtual platforms, standardizing operations and removing inefficiencies. As a result, application systems must be rewired for a reimagined environment, marked by distributed services, cutting-edge architectures, and rapid platform evolution.

Tata Consultancy Services helps businesses adopt cloud technologies, with minimal interruptions to existing processes. TCS' MasterCraft is a comprehensive solution for analyzing existing Java and .Net-based code, locating remediation possibilities, and automatically performing the remediation process with zero manual intervention. Powered by a robust rules-engine, MasterCraft conducts checks against 300+ remediation rules. This eases migration for a variety of environments, be it public/private or multi/hybrid clouds.

Overview

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. Onpremise applications based on.NET or Java could face these overarching challenges or bring several minor issues to the table. These lead to protracted migration timelines and maintenance challenges after deployment.

Tata Consultancy Services' (TCS') MasterCraft accelerates cloud migration and optimizes efforts/investments required for the initiative. Our enterprise-grade product analyzes applications and static codes currently active. The impacted code components are identified using an extensive remediation rules repository. Finally, the code remediation process is automated, reducing manual intervention across public and private cloud environments.

Our Solution

TCS' MasterCraft, part of our Tools Group, eases cloud transformation by addressing a number of critical roadblocks. The salient features of the solution are:

- **Technology-agnostic framework** - streamlines application remediation for JAVA or .NET based solutions and processes
- **Comprehensive rules repository** - comprises over 300 expert-curated rules, based on successful migration projects across public, private, and hybrid cloud environments
- **Extensive knowledge base** - contains information regarding a variety of processes and implementation approaches that is continuously updated and fully reusable, reducing effort duplication
- **Intelligent assessment workbench** - identifies code elements and enables pattern discovery and analysis, ensuring zero-spill migration for minimal delays or loss of desired functionalities
- **Flexible and automated remediation workbench** - proactively verifies and migrates the identified code elements to the cloud

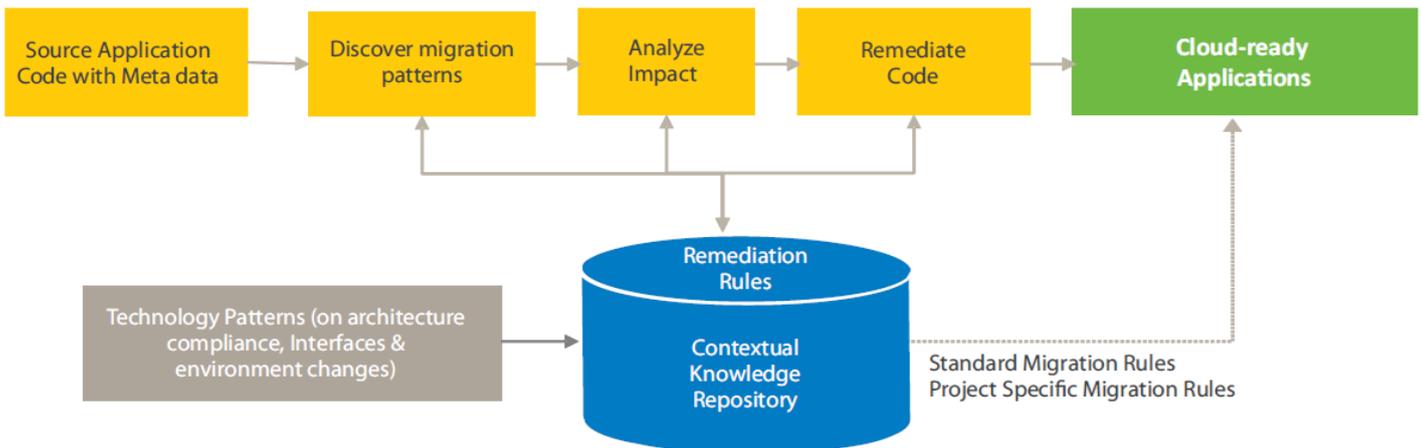


Figure: Application Cloud Migration Capabilities of TCS MasterCraft™ TransformPlus

Benefits

By deploying TCS MasterCraft, enterprises can action the following benefits:

- **Accurate impact analysis** - assess migration impacts to understand and evaluate deployment approaches, and possible post-implementation scenarios
- **Automated remediation** - re-configure applications in-line with cloud requirements
- **Accelerated migration** - shorten remediation timelines by preempting and resolving delays
- **Optimized investments** - reduce remediation costs and boost cloud ROI

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 finetunes 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 <https://www.mastercraft.tcs.com>

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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 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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