



Enterprise Cloud Platform Migration Services

Cloud Apps, Microservices & API



In the current digital landscape, enterprises cannot afford to hold onto hardware dependencies and rigid IT infrastructure. By moving core business systems to the cloud, it is possible to achieve sizeable improvements in storage efficiency, IT cost optimization, and scalability via modular components. However, migrating to cloud infrastructure is fraught with challenges around process disruption, application re-platforming, and complexities around selecting the right architecture.

Tata Consultancy Services' (TCS') Enterprise Cloud Platform Migration Services adopt a Machine First™ approach to accelerate enterprise cloud journeys. The shift is automated using our proprietary iCMC (Intelligent Cloud Migration Continuum) and TCS Cloud Migration Factory. While iCMC supports pre-migration assessments, the migration factory accelerates implementation using a proven template approach. The solution equips enterprises to engage with customers, integrate multi-location units, boost system agility, and explore products/service innovation, driven by flexible and cost-optimized cloud-based IT ecosystem.

Overview

Globally, enterprises are looking to leverage cloud technology as a driver for business growth and product and service differentiation. Decoupled from rigid hardware, companies explore multi-channel customer engagement pathways, better collaboration across geographies, faster scalability into newer areas, and reduced cost of application ownership and maintenance. However, some of the challenges companies face when migrating to a cloud ecosystem include vendor lock-ins and the focus on pure-play infrastructure-as-a-service (IaaS), instead of delivering genuine value through platform-as-a-service (PaaS) applications.

TCS' Enterprise Cloud Platform Migration Services address all of these aspects, giving companies zero lock-in and fully secure solutions for the new digital era. Powered by iCMC, the TCS Cloud Migration Service comprises Decision Services and Migration Services modules. The former assesses your as-is ecosystem, recommending target cloud architecture, pricing models, migration sequence, and priority roadmap. Pre-configured assembly lines in the TCS Cloud Migration Factory provides speed, agility and complete migration lifecycle management with real-time monitoring. By adopting the cloud platform architecture, enterprises can improve service availability, lowering costs and adding to their bottom line.

Our Solution

TCS Cloud Migration offering redefines your transition strategy, identifies optimal target cloud services, and ensures maximum portability as well as security. The solution is based on TCS's proprietary iCMC accelerator suite, designed to simplify, de-risk, and automate the cloud migration process. Customers can also access contextual and personalized modernization services based on Business 4.0™ principles. iCMC comprises two core accelerators:

iCMC Decision Services – Automates portfolio analysis and predicts the ideal migration path as well as deployment architecture based on the platform selected, suggests a simple per-app pricing model, and identifies move group patterns.

iCMC Migration Services – Automated industrialized cloud migration inclusive of application and data using TCS cloud Migration Factory assembly lines. The iCMC Migration Workbench offers real-time visibility on migration progress and roadblocks, enables assembly line monitoring, and streamlines post-migration governance, moves applications through low-touch (re-host) and high touch (re-platform, re-factor) as per the target architecture recommendation input feed from iCMC Decision Service roadmap and plan. The diagram below (figure 1) depicts the Cloud Migration Factory – Unified Services.

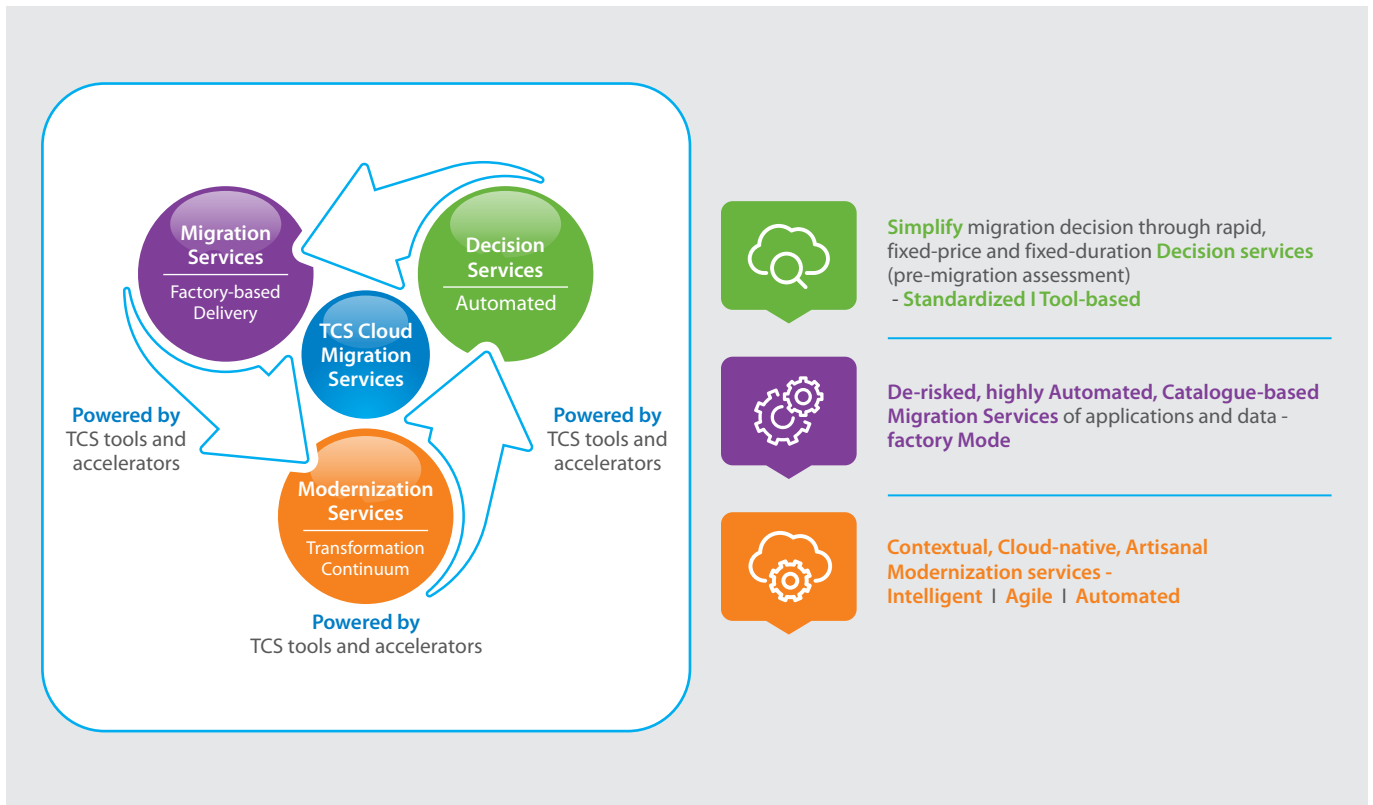


Figure 1: Cloud Migration Factory – Unified Services

Benefits

With TCS Cloud Migration offering, customers can achieve the following:

- **Superior business experience** - Witness streamlined experiences around application and data access with next-gen cloud hosting capabilities and extended support from the TCS team of experts
- **Accelerated time-to-market** - Quickly relaunch your new ecosystem through TCS's solution accelerators, pre-configured TCS Cloud Migration factory assembly lines, automated DevOps tools, and RPA scripts, completing the entire pre-migration assessment to post-migration governance process, in tight timelines
- **Anytime, anywhere availability** - Extend business availability by shedding outmoded data center dependencies and limited hours for hardware uptime, improving outcomes as well as profitability
- **Reduced cost-of-ownership** - Dramatically cut down IT ownership costs with a flexible "per app" pricing model that can be configured according to different enterprise variables and bulk migration needs

The TCS Advantage

By partnering with TCS, you can leverage these key differentiators:

- **End-to-end/hybrid cloud enablement** - TCS is equipped to support multi-cloud/hybrid environments across the world's leading platforms: AWS, Azure, Google, IBM, Oracle, and TCS Cloud.
- **Full-scale automation** - We automate your entire migration pathway starting from multi-level entry (infrastructure, applications and data) to sequencing and execution, for enhanced delivery outcomes using migration factory.
- **World-class expertise** - TCS employs a dedicated team of engineers and certified cloud professionals to research and develop industry-specific solutions and accelerators.
- **Factory delivery models** - We adopt factory delivery models, including assembly line monitoring and commercial catalogs to drive standardization, output quality, and migrating speed using more than 50+ pre-configured assembly lines.
- **PaaS-led modernization** - Our PaaS-led modernization design allows enterprises to rapidly adopt server-less, containerized, and microservice-oriented system architecture, making operations more ROI-efficient via predictable cost estimates.

Awards & Recognition



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Visit the [Cloud Applications](#) page on [tcs.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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