

TCS Migration Factory Services for Microsoft Azure



With the growing need for digital transformation, companies are looking for an expedited migration of their applications to cloud platforms. A cloud application migration solution that enables companies to accelerate and standardize their cloud migration and application transformation activities through an authentic, pre-defined, and repeatable process can help enterprises streamline their operations and accelerate their digital transformation journey.

TCS Migration Factory Services for Microsoft Azure facilitates the migration of on-premise IT applications to hybrid cloud platforms by streamlining each phase of migration. The service includes four critical stages of migration: assessment of application readiness, preparing the application for the cloud, examining whether it needs to be rewritten, identifying the best target platform in the cloud, testing and validating the application, and finally deploying it, to help organizations reduce the TCO of migration and improve the governance of the target cloud landscape.

Overview

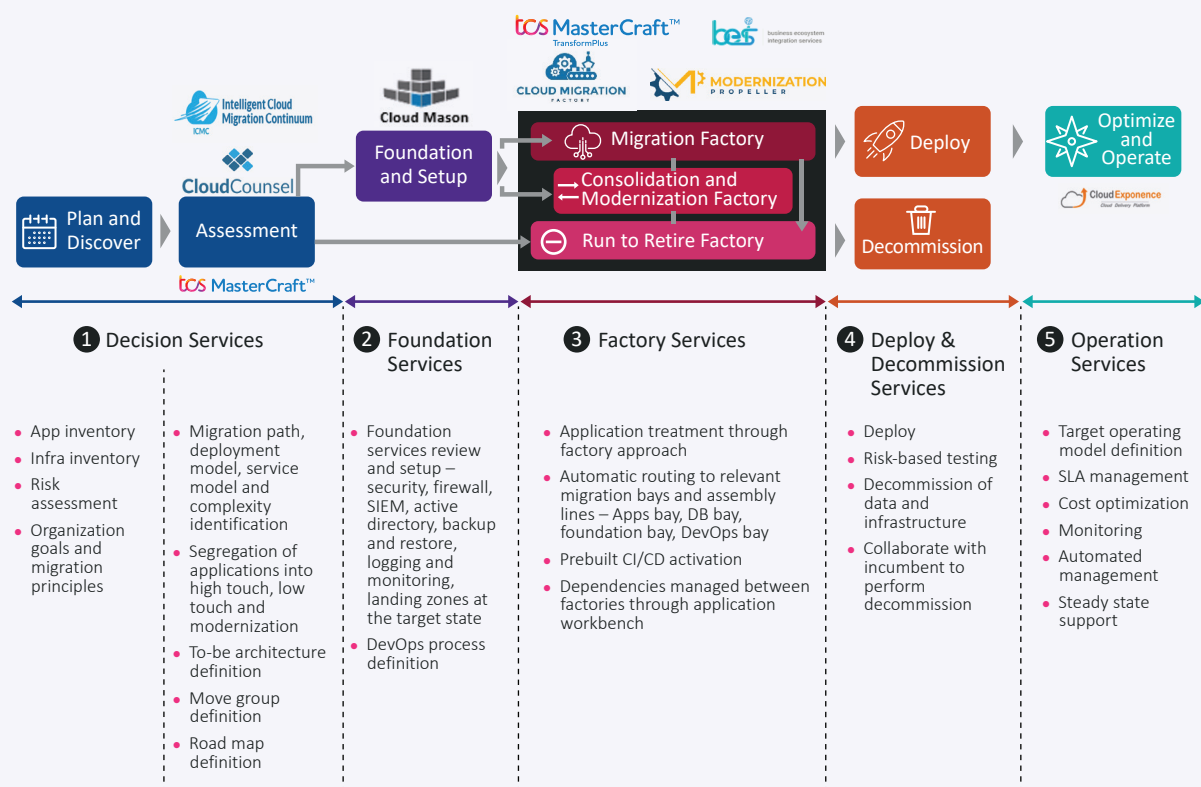
As businesses are accelerating their digital transformation journey by migrating to the cloud, on-premise applications are becoming an increasingly costly and restrictive option. Moving to the cloud is a complex and time-consuming journey that requires businesses to align the migration to their business strategy and equip the workforce with the skills needed to enable a fast, efficient migration to the cloud and fulfill business objectives. Further, poor planning prevents organizations from understanding the complexity of their existing application estate, leading to the use of wrong migration technology.

TCS Migration Factory Services for Microsoft Azure is a cloud migration service based on principles of agile and devops technologies that eliminates on-premise IT or data center estates by moving existing applications and services to the public cloud. By conducting an assessment of on-premise products, the solution recommends a design aligned to the organizational goals and migration strategy, thereby supporting a streamlined factory-based migration. Based on TCS Machine First Delivery Model (MFDM™), the service is equipped with accelerators, frameworks, micro-services, and pre-built automated lines that deliver a risk-free cloud migration experience with quick benefits.

Solution

TCS Migration Factory Services offers the following solutions for a smooth cloud migration:

- **Assessment:** Evaluate the current environment, technology patterns, organization goals and strategy to set the stage for effective migration.
- **Foundation designing and building:** Accelerate designing and building cloud foundation by leveraging a repository of reusable cloud standards, scripts, codes, design templates, and reference architectures to smoothen processes.
- **Agile and DevOps technologies:** Leverage Azure Cloud Migration shared factory for provisioning, migration, testing, rollbacks, training, and cutovers with monitoring and reporting.
- **Factory-based migration:** Take advantage of the Re-Host and Re-Platform execution strategies to run different migration lines for infrastructure, application, or database migration.
- **Testing and validation:** Transform your enterprise from a quality assurance to quality engineering landscape and improve production quality for an accelerated speed to market at an optimal cost of quality post-migration.



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Benefits

The service provides the following benefits to organizations:

- **Migration velocity:** Achieve greater migration velocity while migrating to cloud
- **Cost of ownership:** Reduce the total cost of ownership by adopting faster, cheaper, and more reliable migrations
- **Efficiency, productivity, and quality:** Improve the overall operational efficiency by automating through heavy tooling. Reduce technical migration effort by 60% and overall migration schedule by 40% by leveraging the power of cloud capabilities with zero migration roll-back and defects
- **Faster time-to-market:** Improve the overall productivity by enabling collaboration across various teams and reduce the migration time to enable a faster time-to-market
- **Scalability:** Facilitate governance and ease of use by scaling the platform and meet the requirements of bulk migration

The TCS advantage

A partnership with TCS can help enterprises take advantage of the following key differentiators:

- **Strategic partnerships:** TCS' robust solutions and services take advantage of its partnership with Microsoft to introduce Agile and DevOps technologies to your enterprise. An MPN Gold Certified Partner and Migration Partner, and Azure Expert managed service provider, TCS helps enterprises develop business strategies for a full-scale digital transformation.
- **Cloud technology and platform expertise:** TCS has successfully completed more than 1000 Azure cloud implementations globally through our dedicated factories and shared services factory setup.
- **Machine First™ automation:** We work in close partnerships with enterprises in designing a smarter and lighter Azure cloud architecture and developing strategies to accelerate Azure cloud adoption via an innovation-driven approach with a unique delivery model.
- **Outcome-based models:** Migrate IT assets to Azure in an accelerated, fully risk-managed, and outcome-based engagement model by using our quick-start deployment templates and checklist.
- **Proven methodologies and in-house tools:** We provide managed Azure Cloud services and native technologies to operate, maintain and optimize your modernized ecosystem, and deliver a seamless enterprise cloud migration experience.

Contact

Visit the **Microsoft Business Unit** page on <https://www.tcs.com>

Email: businessandtechnologyservices.marketing@tcs.com

About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that has been partnering with many of the world's largest businesses in their transformation journeys for over 50 years. TCS offers a consulting-led, cognitive powered, integrated portfolio of business, technology and engineering services and solutions. This is delivered through its unique Location Independent Agile™ delivery model, recognized as a benchmark of excellence in software development.

A part of the Tata group, India's largest multinational business group, TCS has over 488,000 of the world's best-trained consultants in 46 countries.

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