

Cloud Modernization Services

Cloud Applications, Microservices & API (CMA)



In this age of Business 4.0™, global enterprises across industrial sectors are seriously thinking about their current technological standpoint. They need to remain ahead of the curve, aided by digital disruptions.

Enterprises still relying on legacy systems are slow in responding to market changes, which directly impacts their speed-to-market — critical for accelerating growth in this competitive market. They are planning large-scale digital transformation programs to reimagine business models, capture new market segments, and create exponential value.

With TCS' Cloud Modernization Services leveraging automation and artificial intelligence (AI), enterprises can undergo a risk-averse digital transformation that aligns their business and IT strategies, optimizes costs and supports rapid innovation. By partnering with TCS, organizations can enjoy the benefits of cloud modernization services to become smarter, faster and successful.

Overview

Multiple CXO surveys by leading analyst firms have shown that digital transformation is essential for expanding business ecosystems, amplifying customer value and experience, establishing new revenue channels and fuelling top-line growth. With digital transformation, enterprises not only reduce technical debt and spiralling capital expenditure, but also respond quickly to changing business demands and market fluctuations.

To drive digital transformation and future-proof IT operations, enterprises must shift their focus from legacy monoliths to modern cloud-based architectures. Cloud-native applications and APIs help build enterprise-wide digital platforms that can reduce costs, accelerate business innovation, and enhance the customer experience. That's why enterprise application modernization services are a must for meeting the demands in a digital age.

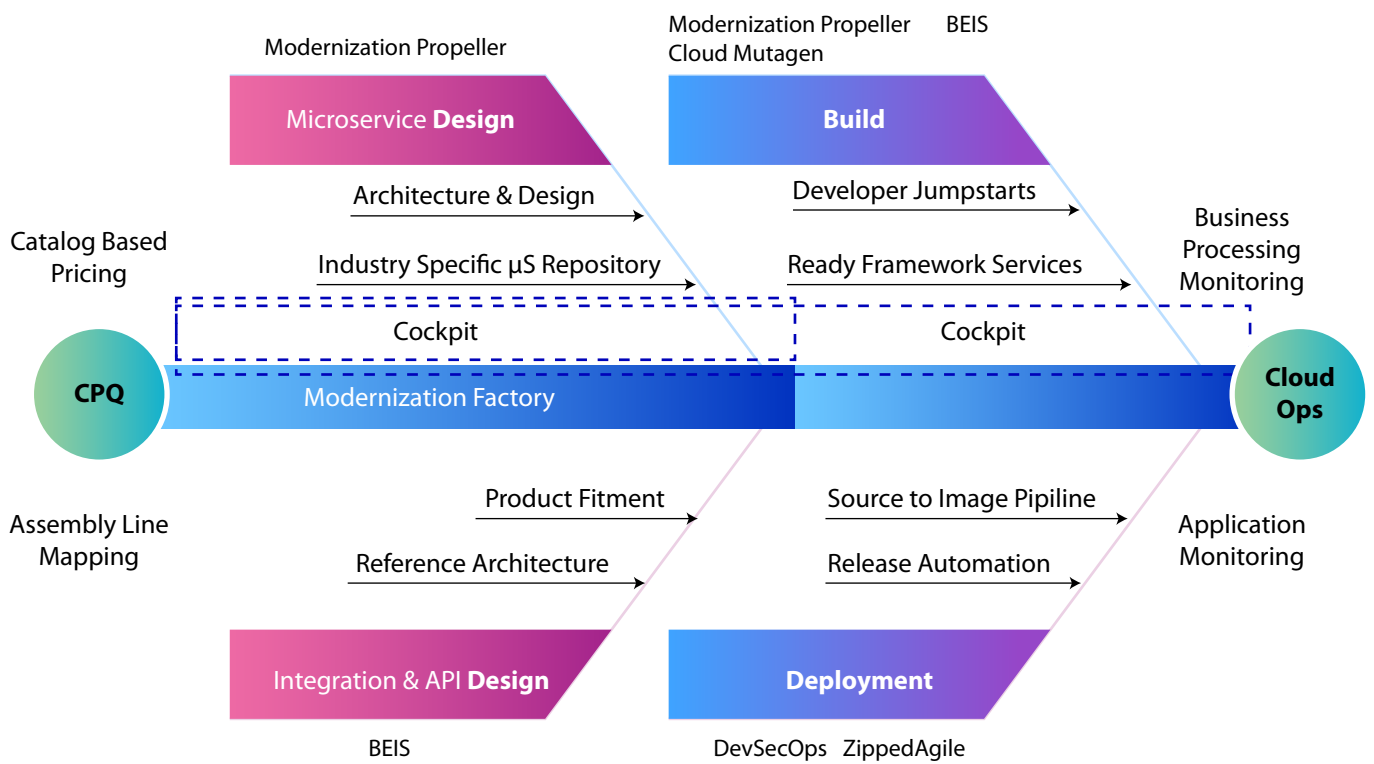
With TCS' Cloud Modernization Services resting on the pillars of microservices, APIs, PaaS and iPaaS, enterprises can re-imagine their business models and undergo a risk-averse digital transformation that aligns with their business and IT strategies, introduces cognitive resilient operations and supports rapid innovation. It leverages the principles of agile and DevSecOps and uses an integrated microservices-based delivery model powered by automation and AI to help businesses across all major industry verticals transform into purpose-driven enterprises.

Solution

TCS' Cloud Modernization Services employ a Machine First Delivery Model™ (MFDM™) approach to build, test and deploy applications on the cloud.

Four robust accelerators power our solution:

- **Modernization Propeller**
Addresses a host of challenges faced by an enterprise from inception to implementation and adoption of microservices. It caters to various industry domains and subdomains and is compatible with the major cloud platforms (AWS, Azure, GCP, IBM and Open Shift)
- **ZippedAgile**
Enables end-to-end DevSecOps setup with different pre-configured architectural patterns, pipelines and technology stacks for hybrid and multi-cloud scenarios. It abstracts the complexity of application deployment and provides an end-to-end solution, starting from infrastructure provisioning to application deployment with embedded application security for specific enterprises
- **Business Ecosystem Integration Services (BEIS)**
Identifies and evaluates business use cases, defines the modernization roadmap, and implements integration and API architecture, solutions and best practices
- **Cloud Mutagen**
Provides in-depth analysis and highlights challenges and efforts in Cloud Mutagen



An overview of TCS Cloud Modernization Service Framework

Benefits

With TCS' Cloud Modernization Services leveraging agile, automated and intelligent digital technologies, enterprises get the following benefits:

- **Exponential growth:** Transition from legacy monoliths to cloud-based microservices and ensure uninterrupted business, continuous innovation, interoperability and 'change-friendly' systems with superior product value/service and enhanced brand perception
- **Faster time-to-market:** Use cloud-based/cloud-native architectures and APIs to consolidate all your core business assets easily and quickly adapt to requirements and business opportunities from both supply and demand
- **Superior stakeholder experience:** Improve collaboration across your business ecosystem, and support customer and partner-facing functions with agile, modern IT systems that provide a superior experience

The TCS Advantage

By partnering with TCS, enterprises can enjoy the following advantages:

- **Deep domain expertise:** TCS has over 40 years of deep-domain expertise with top global organizations across multiple industries, unmatched contextual knowledge, and an endless supply of qualified experts. With a domain-driven approach, TCS helps design enhancements and capabilities that modernize your UX and IT to present a digitally transformed enterprise
- **Proprietary technology:** TCS' Cloud Modernization Services use intellectual property, extensive solutions and proprietary accelerators that effectively analyze monolithic applications to define the cloud modernization roadmap, along with IT architecture, design, and processes. Reduce time-to-value and achieve digital transformation at scale with futuristic offerings for guaranteed enterprise modernization on the cloud
- **Strategic partnership:** Our well-established reputation for robust delivery, customer satisfaction, customer centricity and consolidating transformative partnerships with leading cloud providers make TCS an ideal partner for your cloud modernization journey

Awards & Recognition



To know more

Visit the [cloud-applications-microservices-api](#) page on [tcs.com](#)

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