



Application Modernization

Tuning Your Business for Performance and Innovation

Applications underpin the way modern businesses run. And because keeping pace with customers and competitors is a constant activity, keeping applications modernized is a continuous, constantly evolving process.

Ideally, application modernization is rooted in business strategy and directed toward business outcomes. That's easier said than done. Enterprises don't necessarily grow along predictable paths, a fact reflected in complex legacy applications coexisting uneasily with newer cloud and subscription-based applications. Traditional processes often persist even where there are more efficient ways to operate. Throw in a pandemic, and the level of uncertainty skyrockets.

The challenge, then, is to coordinate the old and the new—and the upcoming—to operate flawlessly when the road ahead is hazy. Done right and seen through, application modernization advances your digital journey to create an adaptable business that keeps you operationally fit for today and ready for growth in the future.

The application modernization services market is projected to grow from \$11.4 billion in 2020 to \$24.8 billion by 2025, at a compound annual growth rate of 16.8%.

Source: Marketsandmarkets

Cognizant®

Our offering

Cognizant meets you where you are: whether you're getting back on your feet, clearing out technical debt or accelerating ahead. As trusted advisors, we provide end-to-end modernization capabilities, helping customers move to a cloud-ready and agile ecosystem. We are veterans of application modernization, with a broad set of analytical and acceleration tools, prebuilt templates, reference implementations, automation, technology partnerships, modernization models and cloud-native architectures built to drive results at speed and scale.

We modernize, maintain and manage, as well as build from scratch. Our main offerings include:

- **Application modernization**
 - Assessment services: Determine scope, architecture and technology required.
 - Migration services: Rehost and replatform legacy applications or migrate to SaaS.
 - Modernization services: Refactor and rearchitect legacy applications by using containers and serverless approaches.
- **Application maintenance and management:**
Value management services involving running, maintaining and optimizing performance.
- **Software product engineering:**
Rebuilding or building new apps using microservices and cloud-native capabilities.

We underpin these offerings with three supporting areas:

- We apply AI and automation to help your apps, on or off the cloud, realize more value and operate more reliably.
- Because we know approaches evolve, we provide agile transformation across the modernization journey with DevOps and CI/CD processes by aligning and communicating objectives and metrics with various teams. This translates into faster delivery and improved stability in production.
- We incorporate quality assurance (QA) throughout, employing an end-to-end ecosystem approach with intelligent and automated QA processes.

Our methodology

Our approach is straightforward and designed to focus on meeting business objectives:

- **Assess for roadmap**
Get a clear view of your current portfolio, identify limitations and select candidates for migration or modernization. Establish priorities aligned with business outcomes, with an investment proposal and well-defined execution strategy.
- **Deploy without disruption**
Get a market-ready rebuild of critical functions with a minimum viable product deployed. Also, deploy an industrialization-based approach to migration and modernization using a combination of our IPs and accelerators to speed up time to market and predictability of outcomes.
- **Design with modern, easy-to-use code**
Realize a business/IT re-architecture offering that creates business value by eliminating process and technical debt by delivering a corresponding IT solution or building equivalent functionality with advanced technologies.
- **Engineer and support**
Help build, design and deploy applications and provide ongoing application maintenance and enhancements.

Why Cognizant?

You need a partner with a deep understanding of the application landscape and how it has evolved over the years. One at the leading edge of automated deployment models, with the experience of people-led change. One with the wisdom to understand how you got to where you are today, and the vision to take you to the future state.

Cognizant has broad knowledge and experience with applications across a wide range of technologies, platforms and languages, and we have been helping IT and business leaders drive results at speed and scale for over 25 years. We have been recognized as a leader in Application Transformation, Application Modernization, Next-gen ADM and Automation by reputed research and advisory firms. Our IPs and accelerators help you modernize easily and reduce cost dramatically. Our vibrant partner ecosystem of leading technology vendors helps drive standards, innovation and value in the modernization value chain.

Wherever you are in your application modernization journey, and whatever your end goals are, Cognizant can help.

To learn more, contact

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About Cognizant

Cognizant (Nasdaq-100: CTSH) is one of the world's leading professional services companies, transforming clients' business, operating and technology models for the digital era. Our unique industry-based, consultative approach helps clients envision, build and run more innovative and efficient businesses. Headquartered in the U.S., Cognizant is ranked 194 on the Fortune 500 and is consistently listed among the most admired companies in the world. Learn how Cognizant helps clients lead with digital at **www.cognizant.com** or follow us @Cognizant.

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