

Cloud-native solutions



Enterprises and government agencies can accelerate time to market for innovative software, take advantage of elastic infrastructure, and reduce operational costs by moving the right workloads to a cloud-native application platform.

Agile business requires modernization

The need to innovate new products and services quickly at scale, using a combination of integrated technologies, requires a modern approach.

The business goal of cloud-native is to enable organizations to rapidly deliver innovative software to end users in shorter times than ever before. This new velocity is often measured in multiple releases to production each day.

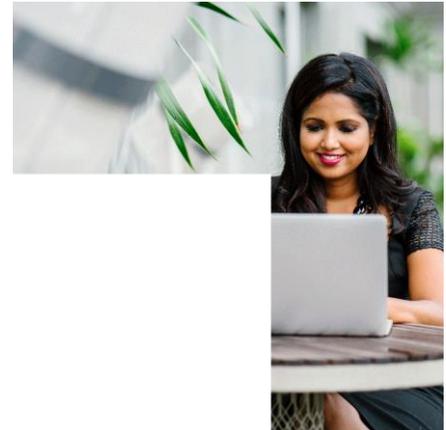
Scaled platforms mean better economics

Cloud environments demonstrate the promise of scaling and cost reduction, but moving applications to the cloud requires time and resources. Cloud-native platforms eliminate hardware and infrastructure constraints, allowing greater agility and automation to exploit the cloud.

When organizations build and operate in a cloud-native fashion, they bring new ideas to the market faster while also delivering robust scalability, health monitoring and dynamic provisioning for web-scale operations.

CGI helps organizations transform their application development capabilities to use cloud-native solutions to deliver new products and services at pace and scale.

We work with diverse teams—end users, business owners, industry experts, designers, and technology experts—to develop services that users desire, are viable for the business, and are technologically feasible.



Case in point

A Fortune 100 retailer wanted to migrate a large number of in-store applications to a multi-tenant cloud-native environment and create a roadmap for application conversion. CGI assisted the client with platform and application migration that:

- Produced a modernization strategy informed by real work
- Established patterns for subsequent re-platforming work
- Provided guidance for next steps in the application modernization process, including an action plan detailing the approach and costs

The retailer's move to cloud has allowed them to deploy applications to production 1,500 times a month.

What is cloud-native?

“Cloud-native” combines modern techniques (often including human-centered design, agile development and highly automated software build pipelines) with modern, cloud-centric architectures, such as microservices and containers.

Cloud-native application platforms, sometimes called platform-as-a-service (PaaS) offerings, enable rapid application development and deployment using cloud infrastructure, while also providing the robust scalability, health monitoring and dynamic provisioning required for web-scale operations.

Envision a new way of developing cloud-native applications

CGI assists enterprises with cloud-native development projects from analyzing the application portfolio through the strategy, setup, migration and implementation of the platform. We bring the expertise to help ensure our clients can:

- Start small, demonstrate value and scale quickly
- Invest in the right platform, tools and methods
- Change mindsets on how to develop cloud-native applications
- Achieve disciplined operations

Key services

- **Cloud-native portfolio analysis:** Structured analysis of the existing application portfolio identifies candidates for cloud-native application transformation.
- **Cloud-native design workshop:** CGI uses human-centered design methods to design a minimal viable product (MVP) concept.
- **Brownfield or greenfield cloud-native sprint:** An initial set of representative applications are migrated, or an MVP for a new application is developed.
- **CGI implements cloud platforms:** CGI uses a highly automated, repeatable approach.
- **CGI implements cloud-native transformation:** CGI leads individual application transformation projects, manages an application transformation program, and scales cloud-native adoption across the enterprise.
- **Cloud-native production and scale:** CGI manages your cloud-native platform, ensuring it is continuously patched, regularly upgraded and maintained at the highest level of security using best practices.

Why transform?

Our world continues to evolve at a rapid pace, and the speed of change is accelerating.

Organizations are experiencing the pressure to digitally transform as their stakeholders, leadership, customers and citizens demand more. In response, organizations must create competitive products and services quickly. Innovation and collaboration are critical business capabilities that leverage emerging technologies to create new business models, products and services. CGI has the talent, scale, reach and end-to-end services to help clients link emerging technologies with legacy systems and processes to succeed with their digital transformation efforts. We meet clients where they are, and get them where they need to be.

About CGI

Insights you can act on

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world.

We are insights-driven and outcomes-based to help accelerate returns on your investments. Across hundreds of locations worldwide, we provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

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