

Sapient AI for Applications

# Application Modernization

*Accelerate Legacy Modernization with  
AI-Powered Automation and Google Cloud*

## Offering Summary

Legacy systems and mainframes slow down innovation, increase costs, and expose businesses to operational risk. Publicis Sapient, in partnership with Google Cloud, delivers a streamlined path to modern cloud-native architectures using AI-driven automation.

We help enterprises automatically refactor legacy code, modernize application stacks, and implement secure CI/CD pipelines—reducing manual effort, minimizing disruption, and accelerating time to value. By combining intelligent automation with native Google Cloud services, we ensure faster, more resilient modernization with built-in security, observability, and scalability.

## Unleash the Opportunity

- ▶ **Reduce Technical Debt & Costs:** Eliminate outdated, high-maintenance infrastructure.
- ▶ **Accelerate Transformation:** Use AI to automate complex modernization tasks and reduce manual effort.
- ▶ **Enhance Security & Compliance:** Leverage Google Cloud's enterprise-grade tools to enable zero-trust security and streamlined governance.

## Why Modernize with Google Cloud?

Modernizing legacy systems with Google Cloud means faster transformation, lower costs, and greater agility—powered by AI, built on secure, scalable infrastructure.

### ▶ AI-Powered Modernization

- Automate code transformation, documentation, and testing
- Refactor monoliths into cloud-native microservices
- Use AI for intelligent insights and workflow automation

### ▶ Mainframe to Cloud

- Move legacy workloads to scalable cloud platforms
- Convert business logic into modern app architectures
- Replace batch jobs with real-time, event-driven processes

### ▶ Intelligent CI/CD & Testing

- AI-driven testing reduces defects and accelerates delivery
- Automate pipelines for faster, more reliable deployments
- Monitor performance with real-time logging and observability

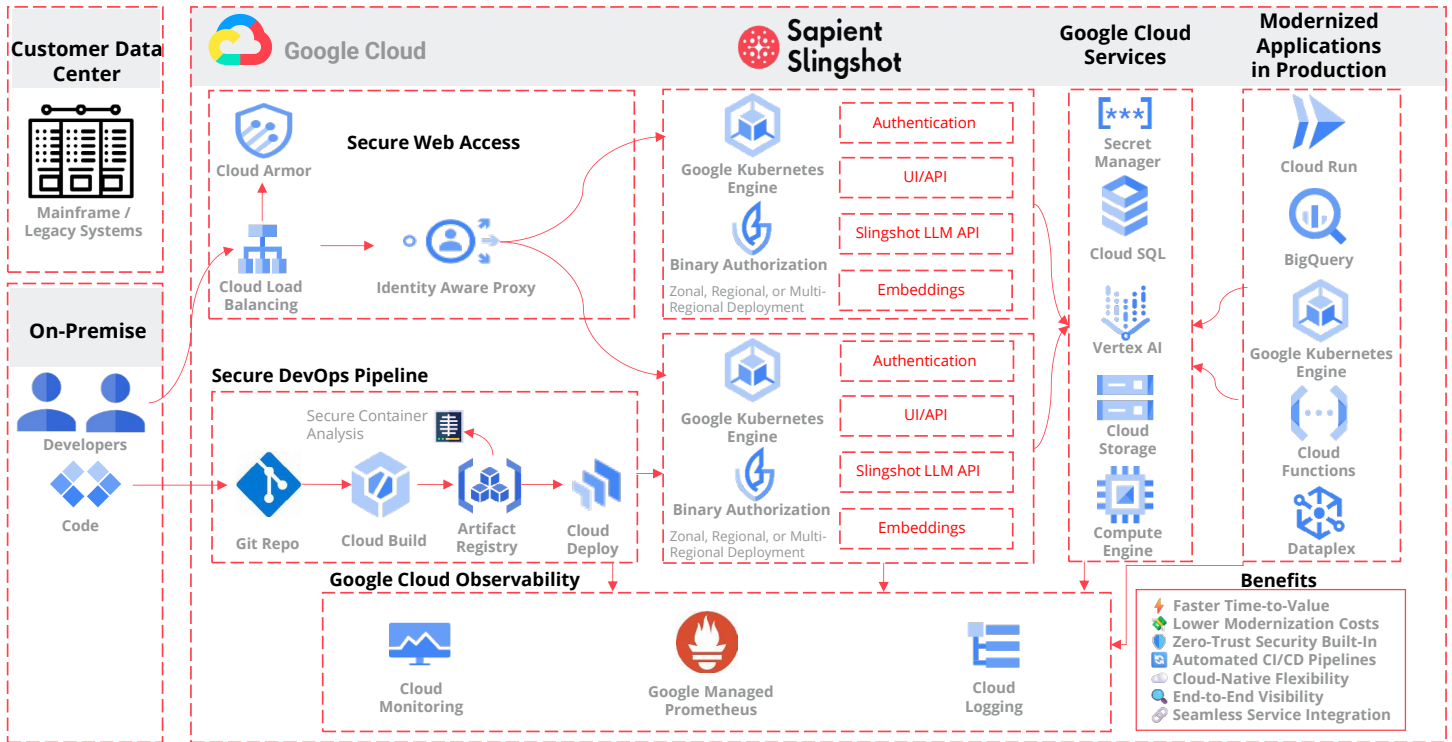
### ▶ Built-In Security & Compliance

- Encrypt data and manage access with Google Cloud's security stack
- Align with leading standards: SOC 2, ISO 27001, HIPAA, GDPR
- Automate compliance and enforce zero-trust at every layer



# Publicis Sapient Generative AI framework – Google Cloud Platform infrastructure

The diagram illustrates the robust infrastructure of Publicis Sapient’s Generative AI framework, powered by Google Cloud Platform, designed to deliver scalable, secure, and efficient AI-driven solutions.



## Measurable Outcomes

**>50%**

reduction in modernization costs\*

**50%**

fewer defects, with expanded test coverage & automated validation\*

**50%-70%**

faster migration, minimizing business disruption\*

**Stronger security posture**

with built-in protection & automated compliance

\*This data is based on our analysis of over 100 end-to-end experiments using our generative AI modernization accelerators, in combination with PSChat, Bodhi and GPT. We utilized internal organizational datasets, PS Innersource accelerators and combined industry research and metrics. Actual results will vary based on client-specific context.

## How we've made an impact:



### LEADING BENEFITS PROVIDER

#### The imperative for change:

- Accelerate the modernization of legacy mainframe applications to enable greater agility and lower costs

#### The transformative solution:

- Designed a process for cloud developers to use private models/LLMs to deconstruct legacy programs
- Used proof of concept results to fine-tune the operationalization and iterative development in sprints



#### The business impact:

- **3x faster migration and reduced effort through AI**
- **Created functional specifications to improve traceability and quality**
- **Made code easier to maintain and enhance in a modern tech stack**

## Why Publicis Sapient + Google Cloud?

- ▶ **Proven Modernization Expertise:** 20+ years of enterprise transformation experience.
- ▶ **AI & Cloud-Native Leadership:** Harnessing AI and automation to accelerate efficiency.
- ▶ **Security-First Approach:** Enterprise security, zero-trust models, and compliance automation.
- ▶ **End-to-End Cloud Enablement:** From mainframe migration to CI/CD automation.
- ▶ **Premier Google Cloud Partner:** Deep expertise in AI-driven modernization & cloud-native transformation.

## Let's get started!

Experience faster, smarter, and more secure modernization with Google Cloud.

For more information, visit [publicissapient.com/partnerships/google](https://publicissapient.com/partnerships/google)

[Request a demo](#)

## ABOUT PUBLICIS SAPIENT

Publicis Sapient is a digital business transformation company. We partner with global organizations to help them create and sustain a competitive advantage in a world that is increasingly digital. We operate through our expert SPEED capabilities: Strategy and Consulting, Product, Experience, Engineering and Data, which combined with our culture of curiosity and deep industry knowledge, enables us to deliver meaningful impact to our clients' businesses through reimagining the products and experiences their customers truly value. Our agile, data-driven approach equips our clients' businesses for change, making digital the core of how they think and what they do. Publicis Sapient is the digital business transformation hub of Publicis Groupe with 20,000 people and over 50 offices worldwide. For more information, visit [publicissapient.com](https://publicissapient.com).