



# Capgemini RAISE with Google Cloud

Driving a new age  
of intelligence



A recent [study](#) found 95 percent of organizations are experiencing zero returns on Gen AI investments. Developing a proof-of-concept is simple, but developing enterprise-grade Gen AI and agentic AI is the challenge. The divide between success and failure seems to be based on approach.

AI agents are gaining ground and evolving from a tool to a teammate. In 2025, [51 percent](#) of organizations will be partially or fully scaling up AI agents, and nearly seven in 10 executives rank AI agents and multi-agent systems as one of the top three technology trends in the AI and data domain.

## Trust, cost, and scale

Organizations want to accelerate Gen AI adoption while solving the issues of trust, cost, and scale. RAISE supports industrialization at scale of custom Gen AI projects and includes guardrails and cost controls for more reliable and tangible results.

Capgemini crafted RAISE on the Google Cloud framework to help companies streamline the development process, so Gen AI solutions are built on a solid, efficient, and cohesive infrastructure.



**Capgemini's Reliable AI Solution Engineering (RAISE)** for Google Cloud is an operational accelerator to complement and enhance Google Cloud's expanding Gen AI capabilities. It is the enterprise infrastructure to operationalize Gen AI at scale.

RAISE on Google Cloud is a tested toolkit for custom Gen AI projects focused on reliable outcomes at scale. It is time to move beyond exploration and deliver business value from Gen AI.

Validated by Google, RAISE on Google Cloud is a cloud-native, serverless, microservices-based architecture designed for horizontal scalability and modularity, ensuring low maintenance and operational costs.

The microservices are modular, deployed as containers on Cloud Run, and accessible via APIs from the Google Cloud hosting environment through a secure API gateway. RAISE also includes a service catalog on App Engine, so developers can explore and utilize services such as model comparison, deployment, and evaluation.

The result is a scalable Gen AI development platform and framework to navigate and orchestrate at speed. RAISE allows companies to:

- Be scale ready for faster deployment
- Select the right model
- Control costs
- Access reliable and secure Large Language Models (LLMs)
- Embrace new technologies
- Solve challenges.



# Building blocks

**RAISE on Google Cloud** provides an efficient, interoperable, modular, and scalable Gen AI development accelerator to navigate and orchestrate in a fast-moving environment.

It also leverages Google's state-of-the-art Vertex AI ecosystem for seamless integration and cost efficiency. Our pre-built use cases and libraries support faster Gen AI application development.

Modular services can be used independently for flexibility and scalability. A comprehensive enterprise-scale governance ensures trust, protects against prompt hacking, safeguards PII data, and validates user input.

Capgemini's RAISE on Google Cloud is structured in four key layers.

- **Service foundation layer:** Provides capabilities for chunking, embedding, model comparison, model evaluation, model deployment, model fine-tuning, and setting

up of RAG pipelines. RAISE wraps these capabilities with multi-cloud deployment, cost controls, and enterprise-grade orchestration. It also supports model comparison across vendors.

- **Service information layer:** Includes features such as Lomas, content guard, and prompt classification, which are critical for regulated industries
- **Application layer:** Offers pre-built agents tailored to verticals and multi-cloud chatbots
- **Service monitoring layer:** Provides CostOPs and operational dashboards for business stakeholders.

The architecture leverages cloud-native services such as BigQuery, Cloud Run, App Engine, and Load Balancer for scalability, and Google Cloud security and networking components such as Identity Aware Proxy (IAP), Identity and Access Management (IAM), subnets, and firewalls for robust security.

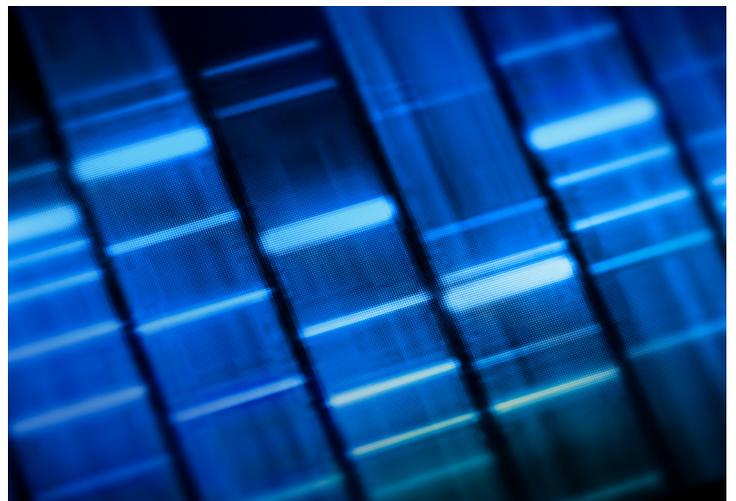
# Solve disconnected development

Google's AI suite provides best-in-class infrastructure, modelling, and agentic tooling, and Capgemini's RAISE framework adds the enterprise scaffolding needed to operationalize Gen AI at scale, govern agent behavior across business domains, accelerate transformation with pre-built, reusable assets, and control costs and risks.

## **RAISE also delivers:**

- A bridge between technical capability and enterprise readiness with governance, cost control, and lifecycle orchestration
- A cloud-agnostic tool to enable deployment across Azure, AWS, and Google Cloud, which is essential for hybrid and multi-cloud environments
- Accelerated industrialization by turning prototypes into production-ready agents with compliance, auditability, and reuse
- Business functionality, with dashboards, cost calculators, and safety layers designed for decision-makers, not just developers.

RAISE on Google Cloud is the enterprise layer that builds on Google's foundation and solves real-world blockers in regulated and complex environments. It accelerates time-to value with trust and reliability.



# Capgemini x Google Cloud

**RAISE on Google Cloud** combines technology by two recognized leaders in the Gen AI space.

Capgemini and Google Cloud are both known for technology leadership. Together, we have been refining and enhancing our Gen AI experience and tools to deliver results in more than 250 projects for 50-plus clients.

Capgemini was recently named a Leader in the Forrester Wave: AI services in 2024. Google is consistently ranked a leader in AI Foundation Models and Cloud AI Developer Services.

Explore how two transformation leaders can help find real business value and human connection in your AI projects.

Make your Gen AI goals real with RAISE for Google Cloud.

Please reach out to our Capgemini Expert for more information:



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# About Capgemini

Capgemini is an AI-powered global business and technology transformation partner, delivering tangible business value. We imagine the future of organizations and make it real with AI, technology and people. With our strong heritage of nearly 60 years, we are a responsible and diverse group of 420,000 team members in more than 50 countries. We deliver end-to-end services and solutions with our deep industry expertise and strong partner ecosystem, leveraging our capabilities across strategy, technology, design, engineering and business operations. The Group reported 2024 global revenues of €22.1 billion.

Make it *real*.

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