

# Modernizing the enterprise core

Unlocking agility and AI  
readiness with RISE with  
SAP on Google Cloud



## Introduction

# The weight of legacy infrastructure

For many established enterprises, the drive to innovate is constantly weighed down by aging on-premises infrastructure. IT teams often spend disproportionate amounts of time and resources simply “keeping the lights on,” battling escalating maintenance costs, rigid architectures, and mounting technical debt.

In a landscape where agility and resilience are paramount, business leaders recognize that relying on inflexible legacy systems introduces unacceptable operational risk. To unlock future growth and prepare for the agentic enterprise, organizations must securely modernize their core operations without disrupting their day-to-day business continuity.

## Chapter 1

# A secure, scalable foundation

The partnership enables organizations to transition from legacy on-premises systems to a managed, cloud-based model. By deploying RISE with SAP on Google Cloud, businesses reduce technical debt while ensuring their most critical operations are supported by a secure and scalable AI-ready foundation.

This cloud modernization strategy rests on several key capabilities:



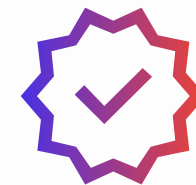
### Certified infrastructure performance

SAP workloads run on Google Cloud's certified, memory-optimized infrastructure, which is designed for high scalability and documented uptime.



### Global scalability and residency

Organizations can scale their operations across more than 40 global data centers to meet demanding data residency and performance requirements.



### Unique reliability features

Organizations maintain business continuity through "Live Migration" technology, which keeps virtual machines running seamlessly during infrastructure maintenance events.



### Secure infrastructure modernization

Protect SAP workloads with a multilayered security foundation backed by Mandiant's threat intelligence and AI-powered security command centers.



## Chapter 2

# Transforming IT from cost center to value driver

Migrating legacy SAP workloads to a modern cloud environment is not just about avoiding downtime; it is about driving measurable business value across the enterprise.



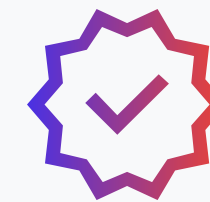
### Market-leading total cost of ownership

Organizations can reduce hardware expenses and maintenance costs by moving to a managed cloud model, achieving lower operational costs compared to traditional environments.



### Accelerated AI adoption

Deploying on Google Cloud provides a direct path to utilizing Gemini and Vertex AI to build intelligent agents that reason over mission-critical enterprise data. This scalable infrastructure acts as the ultimate launchpad for the agentic enterprise.



### Accelerated AI-readiness via Cortex Framework

Move beyond basic data consolidation by transforming fragmented enterprise systems into context-rich, high-fidelity data products purpose-built for AI. It features a modular, Dataform-centric architecture for simplified pipeline orchestration, controls costs through high-performance incremental loading, and embeds metadata directly into BigQuery models supported by Dataplex Universal Catalog.



### Sustainability leadership

Organizations meet corporate ESG (Environmental, Social, and Governance) targets by hosting SAP workloads on data centers that are twice as energy-efficient as typical enterprise facilities.

Conclusion

# Achieving operational readiness

The transition allows leaders to move from managing complex hardware and manual processes to executing data-driven actions in real-time. To simplify this journey, organizations can acquire and deploy RISE with SAP through the Google Cloud Marketplace to unify billing and utilize existing cloud commitments for faster time-to-value.

[cloud.google.com/sap](https://cloud.google.com/sap)

