

Accelerate AI with Google Cloud's Vertex AI

Speeding up time to value for enterprise AI



THE BUSINESS PROBLEM

The AI imperative

AI maturity is becoming the basis to create a competitive edge that fuels business innovation and value creation, making the business case for rapid AI adoption ever stronger. The proliferation of valuable data sources and cloud's ability to store and process that data are pushing business leaders to integrate AI capabilities. With the prevalence of readily accessible, pre-trained or self-learning machine learning (ML) models on the cloud, leaders are seeing the value that can be mined from them—whether in the service of customer acquisition, new AI-enabled business models, or global imperatives like climate change. Advanced cognitive solutions are the connective tissue between overwhelming datasets, the valuable insights embedded within, and the data-driven decisions they can enable.

Though the benefits of AI are apparent, many organizations are challenged to make them a reality on their own. They may struggle to identify the best use cases for AI, lack internal alignment on AI strategy and solutions or fail to deliver enterprise value when efforts to scale don't progress beyond prototypes.

THE DELOITTE AND GOOGLE CLOUD ADVANTAGE

A unified cloud AI foundation

Deloitte and Google Cloud's Accelerate AI offerings bring business leaders the best of both worlds: Google Cloud's Vertex AI, a managed ML platform, and Deloitte's proven domain knowledge and AI operationalization experience. Together, we take customized, industry-specific cognitive solutions from concept to production in minimal time with use cases that span: Conversational AI, predictive maintenance, processing of computer tomography images, intelligent manufacturing, defect identification and self-healing systems using MLOps, anomaly detection, and more.

Three unique capabilities that form the core of Accelerate AI:



AI Lab: An immersive, innovative, and interactive environment to help organizations understand, identify, and prioritize AI possibilities and use cases through research-based proven techniques



AI Garage: An innovative Deloitte delivery model with capabilities to jumpstart the implementation of enterprise AI applications.



AI Strategy: A comprehensive assessment of the AI talent, technology, and operations needed to become an AI powered organization.

Accelerating your organization's journey to AI maturity



DEFINE THE POSSIBLE

- Explore success stories
- Clarify objectives
- Assess maturity
- Identify stakeholders
- Flag potential barriers



DISRUPT OLD THINKING

- Design thinking to disrupt ordinary thinking
- Uncover new possibilities
- Explore exponential technologies



ENHANCE THE VISION

- Draft the starting point
- Assess requirements and capabilities
- Determine most valuable and most feasible use cases
- Consider additional organizational enablers



CREATE THE PLAN

- Formalize deliverables
- Ignite interest/message key stakeholders
- Establish individual and collective ownership



BUILD AND SCALE

- Build secure and robust cloud, data, and AI platforms
- Develop AI solutions and deploy in production
- Develop ML ops capabilities and talent pool
- Govern AI value initiative and business impact






THE RESULTS

Rapid breakthroughs across the enterprise

The net result: An expedited approach to AI use case development, implementation, adoption, and transformational business results. Business outcomes that would typically take anywhere from two to six months can potentially be achieved in just four to eight weeks.

With Accelerate AI, organizations can uncover and unlock AI opportunities across functions, from finding new ways to attract customers with custom recommendations, to empowering teams to reduce costs while increasing operational efficiencies, to discovering entirely new business services and models. The opportunities with Google Cloud's suite of machine learning and AI products are seemingly endless.

Benefits of Accelerate AI:

-  New solution discovery
-  Rapid prototype development
-  Greater stakeholder engagement
-  Faster integration and scaling
-  Increased strategic clarity

The power of Google Cloud's Vertex AI platform can add business value across your organization

BUSINESS FOCUSED



Services

Services: Custom ML solutions

BUILDING BLOCKS



Auto ML and custom models

Sight: Vision AI, Video AI

Language: Natural Language AI, Auto ML Translation

Structured data: Tables, Interference, Recommendations AI

PLATFORM



AI Platform

Development tools: Deep learning VMs, AI platform notebooks

Data tools: Cloud Dataflow, Cloud Dataprep, BigQuery

Training and testing: AI platform prediction



Infrastructure

Frameworks: TensorFlow, Keras

Compute: VMs, containers

Accelerators: GPU, TPU



Google Cloud Specialization

A Google Cloud Specialization indicates the strongest signal of proficiency and experience with Google Cloud. Deloitte has been awarded with a Machine Learning Specialization for demonstrating success building sophisticated machine learning models with Google Cloud ML and pre-trained models.

WHERE TO BEGIN

Accelerate your journey to AI maturity

If you're ready to accelerate your organization's journey to AI maturity and the results it brings, we're ready to kick-start your progress, no matter where you are in your AI journey. Our subject matter experts and design professionals will work with you to understand objectives, and develop an Accelerate AI experience for your team. Step into the potential of AI.

Get in touch

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