

IA et apprentissage automatique

Google est un leader dans le rapport Gartner® Magic Quadrant™ 2025 pour les plateformes de science des données et d'apprentissage automatique

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Nenshad Bardoliwalla

Directeur, gestion des produits, Vertex AI



Nous sommes ravis d'annoncer aujourd'hui que Gartner® a désigné Google comme leader dans son rapport Magic Quadrant™ 2025 pour les plateformes de science des données et de machine learning (DSML). Nous sommes convaincus que cette reconnaissance témoigne de nos innovations continues visant à répondre aux besoins des équipes de science des données et de machine learning, ainsi que de nouveaux profils de praticiens travaillant en tant que scientifiques dans le domaine dynamique



Qu'est-ce qui décrit le mieux votre rôle actuel dans le cloud ?

Leadership technique

IL

Spécialiste de la sécurité

Promoteur

Suivant

En continuant, vous acceptez que Google utilise vos réponses, [vos informations de compte et vos informations système](#) pour améliorer les services, conformément à notre [politique de confidentialité](#) et à nos [conditions générales](#).

Figure 1: Magic Quadrant for Data Science and Machine Learning Platforms



Gartner

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L'IA transforme radicalement le fonctionnement, la compétitivité et l'innovation des organisations. En étroite collaboration avec nos clients, nous proposons des innovations pour une plateforme unifiée de données et d'IA répondant aux exigences de l'ère de l'IA, incluant l'ingénierie et l'analyse des données, la science des données, le MLOps, les outils de développement d'applications et d'agents d'IA de génération, ainsi qu'une couche de gouvernance centralisée.

Plateforme d'IA unifiée avec la meilleure IA multimodale de sa catégorie

Google Cloud offre un large éventail de fonctionnalités d'IA, allant du matériel de base comme les unités de traitement Tensor (TPU) aux agents IA et aux outils nécessaires à leur développement. Ces fonctionnalités s'appuient sur notre

recherche et développement de pointe en IA et sur notre expertise en production d'applications à grande échelle telles que YouTube, Maps, Search, Ads, Workspace, Photos, etc.

All of this research and experience fuels our [Vertex AI](#) platform, our unified AI platform for MLOps tooling, predictive and gen AI use cases, that sits at the heart of Google's DSML offering. Vertex AI provides a comprehensive suite of tools covering the entire AI lifecycle, including data engineering and analysis tools, data science workbenches, MLOps capabilities for deploying and managing models, and specialized features for developing gen AI applications and agents. Moreover, our Self-Deploy capability enables our partners to not only build and host their models within Vertex AI for internal users, but also distribute and commercialize those models. Customer use of Vertex AI has grown 20x in the last year driven by Gemini, Imagen, and Veo models.

[Vertex AI Model Garden](#) offers a curated selection of over 200 enterprise-ready models from Google like Gemini, partners like Anthropic, and the open ecosystem. Model Garden helps customers access the highest performing foundation models suited for their business needs and easily customize them with their own data, deploy to applications with just one click, and scale with end-to-end MLOps built-in.

Building on Google DeepMind research, we recently [announced](#) Gemini 2.5, our most intelligent AI model yet. Gemini 2.5 models are now thinking models, capable of reasoning (and showing its reasoning) before responding, resulting in dramatically improved performance. Transparent step-by-step reasoning is crucial for enterprise trust and compliance. We also launched Gemini 2.5 Flash, our cost-effective, low-latency workhorse model. Gemini 2.5 Flash will be generally available for all Vertex AI users in early June, with 2.5 Pro generally available soon after.

Vertex AI is now the only platform with generative media models across all modalities — video, image, speech, and music. At Google I/O, we announced several [innovations](#) in this portfolio, including the availability of Veo 3, Lyria 2, and Imagen 4 on Vertex AI. Veo 3 combines video and audio generation, taking content generation to a new level. The state-of-the-art model features improved quality when generating videos from text and image prompts. In addition, Veo 3 also generates videos with speech (dialogue and voice-overs) and audio

(music and sound effects). Lyria 2, Google's latest music generation model, features high-fidelity music across a range of styles. And Imagen 4, Google's highest-quality image generation model, delivers outstanding text rendering and prompt adherence, higher overall image quality across all styles, and multilingual prompt support to help creators globally. Imagen 4 also supports multiple model variants to help customers optimize around quality, speed and cost.

All of this innovation resides on Vertex AI, so that AI projects can reach production and deliver business value while teams collaborate to improve models throughout the development lifecycle.

For instance, customers like [Radisson Hotel Group](#) have redefined personalized marketing with Google Cloud. Partnering with Accenture, the global hotel chain leveraged BigQuery, Vertex AI, Google Ads, and Google's multimodal Gemini models to build a generative AI agent to help create locally relevant ad content and translate it into more than 30 languages — reducing content creation time from weeks to hours. This AI-driven approach has increased team productivity by 50%, boosted return on ad spend by 35%, and driven a 22% increase in ad-driven revenue.

\$300 in free credit to try Google Cloud AI and ML

Build and test your proof of concept with \$300 in free credit for new customers. Plus, all customers get free monthly usage of 20+ products, including AI APIs.

[Start building for free](#)

A new era of multi-agent management

Eventually, we believe that every enterprise will rely on multi-agent systems, including those built on different frameworks or providers. We recently announced multiple enhancements to Vertex AI so you can build agents with an open approach and deploy them with enterprise-grade controls. This includes an [Agent Development Kit](#) (ADK), available for Python and Java,

with an open-source framework for designing agents built on the same framework that powers [Google Agentspace](#) and [Google Customer Engagement Suite](#) agents. Many powerful examples and extensible sample agents are readily available in [Agent Garden](#). You can also take advantage of [Agent Engine](#), a fully managed runtime in Vertex AI that helps you deploy your custom agents to production with built-in testing, release, and reliability at global scale.

Connecting all your data to AI

Enterprise agents need to be grounded in relevant data to be successful. Whether helping a customer learn more about a product catalog or helping an employee navigate company policies, agents are only as effective as the data they are connected to. At Google Cloud, we do this by making it easy to leverage any data source. Whether it's structured data in a relational database or unstructured content like presentations and videos, Google Cloud tools let customers easily use their existing data architectures as retrieval-augmented generation (RAG) solutions. With this approach, developers get the benefits of Google's decades of search experience from out-of-the-box offerings, or can build their own RAG system with best-in-class components.

For RAG on an enterprise corpus, Vertex AI Search is our out-of-the-box solution that delivers high quality at scale, with minimal development or maintenance overhead. Customers who prefer to fully customize their solution can use our suite of individual components including the Layout Parser to prepare unstructured data, Vertex embedding models to create multimodal embeddings, Vertex Vector Search to index and serve the embeddings at scale, and the Ranking API to optimize the results. And RAG Engine provides an easy way for developers to orchestrate these components, or mix and match with third-party and open-source tools. BigQuery customers can also use its built-in vector search capabilities for RAG, or leverage the new connector with Vertex Vector Search to get the best of both worlds, by combining the data in BigQuery with a purpose-built high performance vector search tool.

Unified data and AI governance

With built-in governance, customers can simplify how they discover, manage, monitor, govern, and use their data and AI assets. Dataplex [Universal Catalog](#) brings together a data catalog and a [fully managed, serverless metastore](#), enabling interoperability across Vertex AI, BigQuery, and open-source formats such as Apache Spark and Apache Iceberg with a common metadata layer. Customers can also use a business glossary for a shared understanding of data and define company terms, creating a consistent foundation for AI.

At Google Cloud, we're committed to helping organizations build and deploy AI and we are investing heavily in bringing new predictive and gen AI capabilities to Vertex AI. For more, [download](#) the full 2025 Gartner Magic Quadrant™ for Data Science and Machine Learning Platforms report.

Gartner Magic Quadrant for Data Science and Machine Learning Platforms - Afraz Jaffri, Maryam Hassanlou, Tong Zhang, Deepak Seth, Yogesh Bhatt, May 28, 2025

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