



Revolutionizing Artificial Intelligence and Financial Services: A dive into NVIDIA's Technological Impact

Marc Stampfli, May 2024

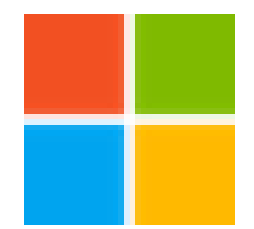
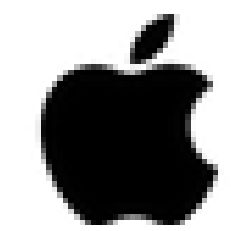




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Our Body of Work

NVIDIA pioneered **accelerated computing to tackle challenges no one else can solve.**

Our work in AI and digital twins is transforming the world's largest industries and profoundly impacting society.

Rank	Name	Market Cap	Price	Today
1	 Microsoft MSFT	\$3.197 T	\$430.16	▲ 0.74%
2	 Apple AAPL	\$2.913 T	\$189.98	▲ 1.66%
3	 NVIDIA NVDA	\$2.618 T	\$1,065	▲ 2.57%
4	 Alphabet (Google) GOOG	\$2.170 T	\$176.33	▲ 0.73%
5	 Amazon AMZN	\$1.880 T	\$180.75	▼ 0.17%
6	 Meta Platforms (Facebook) META	\$1.213 T	\$478.22	▲ 2.67%

Sparking the iPhone Moment of AI

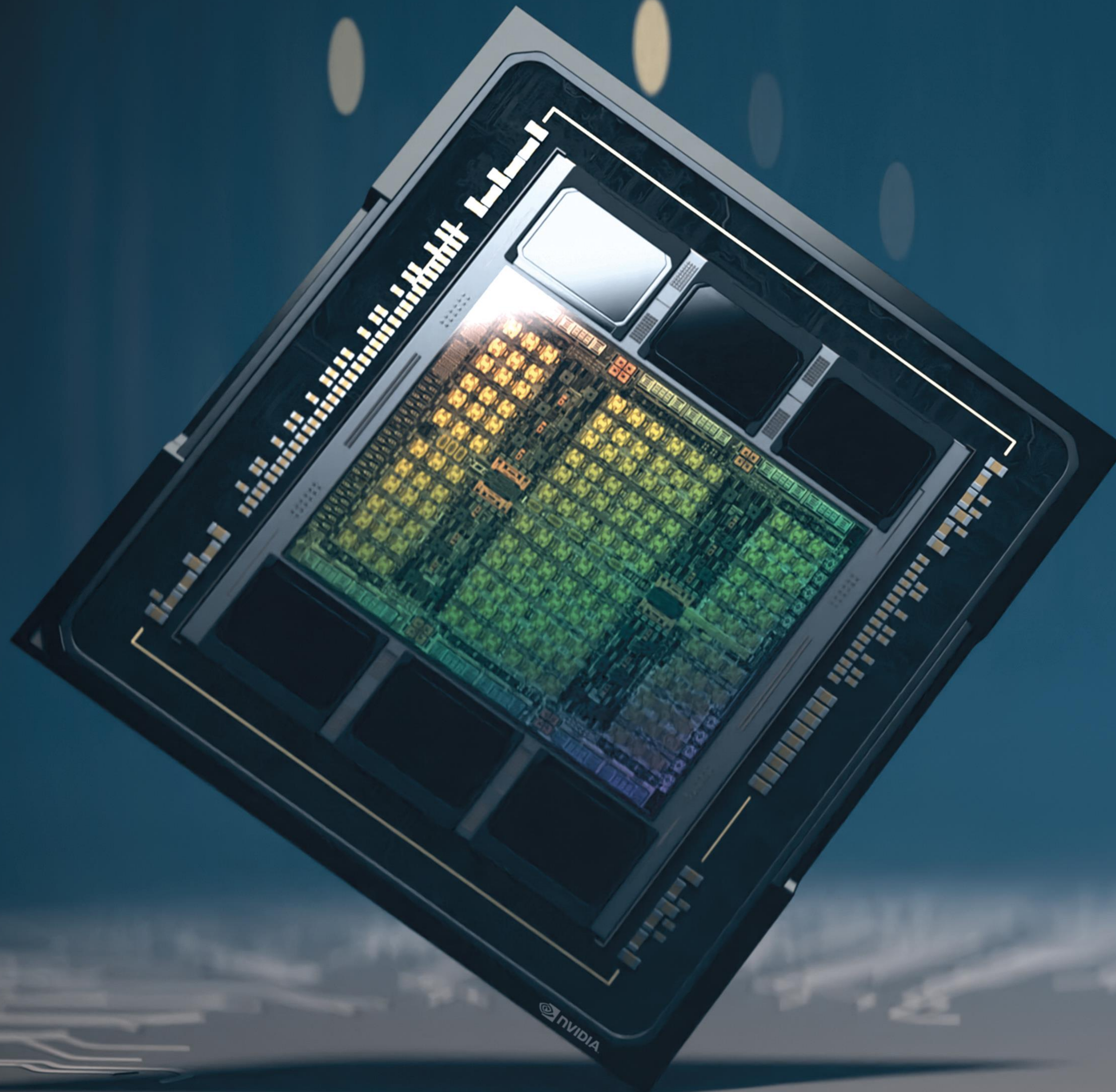
The acceleration of deep learning ignited the big bang of AI. ChatGPT, a large language model powered by an NVIDIA DGX™ AI supercomputer, reached 100 million users in just two months. Its magical capabilities have captured the world's imagination. Generative AI is a new computing platform, like the PC, internet, and mobile-cloud. Accelerated computing and AI have fully arrived.



What's the definition of a large language model?



A large language model is a type of artificial intelligence system that has been trained on massive amounts of text data and can generate human-like language responses to input.



Enterprise are on the Generative AI Journey



Explosion

ChatGPT gets announced late in 2022, gaining over 100 million users in just two months. Users of all levels can experience AI and feel the benefits firsthand.



Experimentation

Enterprise application developers kick off POCs for generative AI applications with API services and open models including Llama 2, Mistral, NVIDIA, and others.

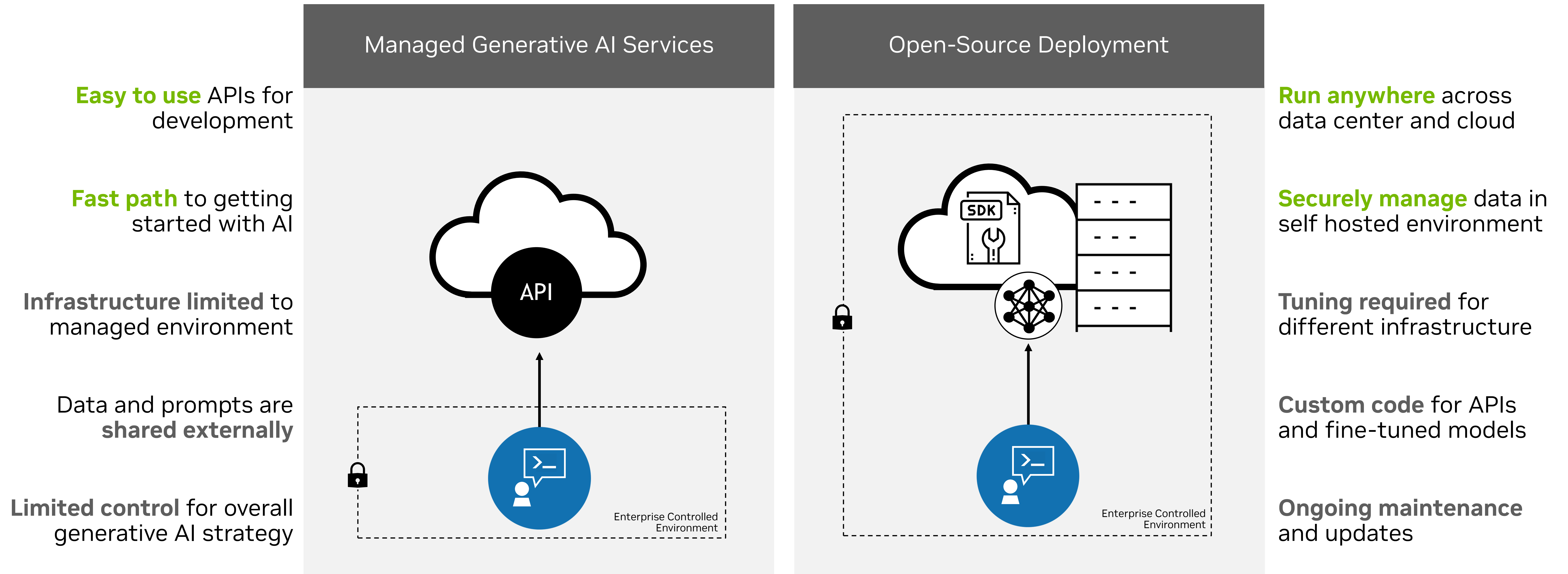


Production

Organizations have set aside budget and are ramping up efforts to build accelerated infrastructure to support generative AI in production.

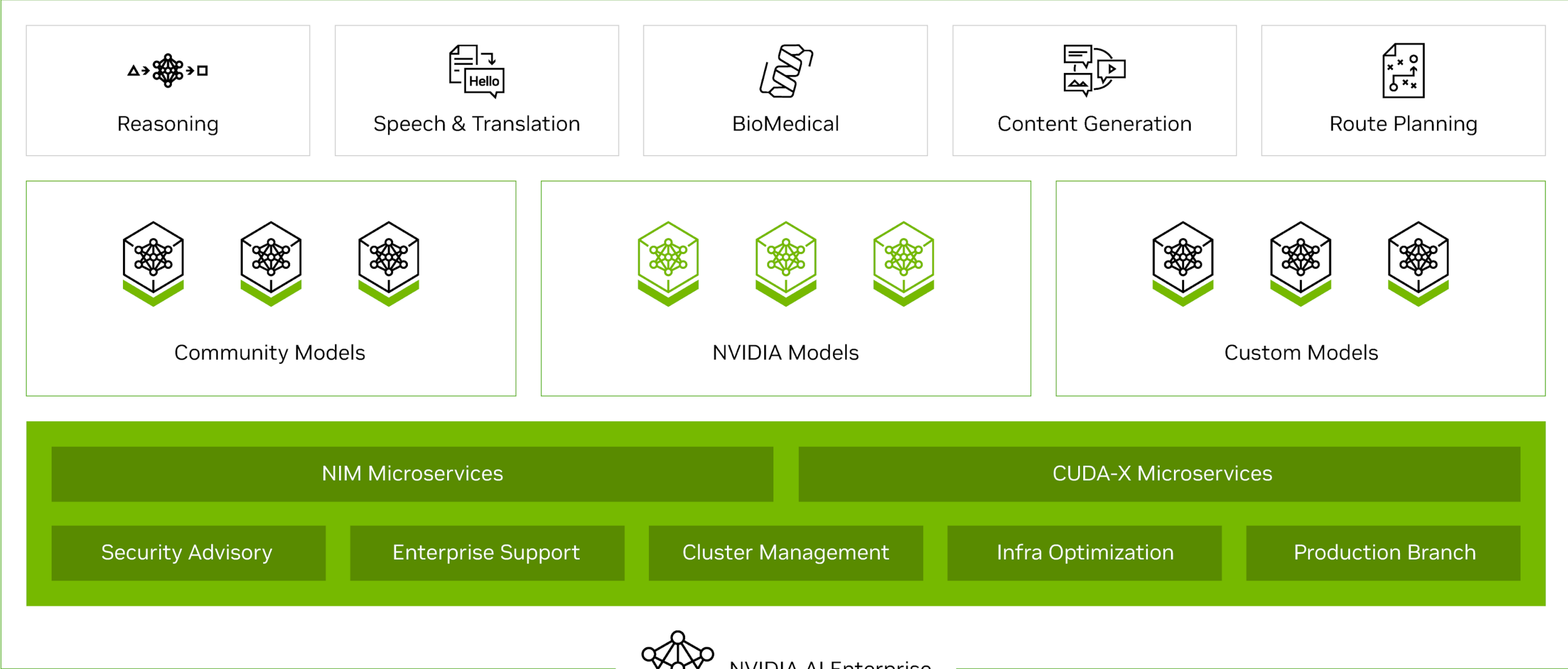
Enterprises Face Challenges Experimenting with Generative AI

Organizations must choose between ease of use and control



NVIDIA AI Enterprise

High Performance and Efficient Runtime for Generative AI



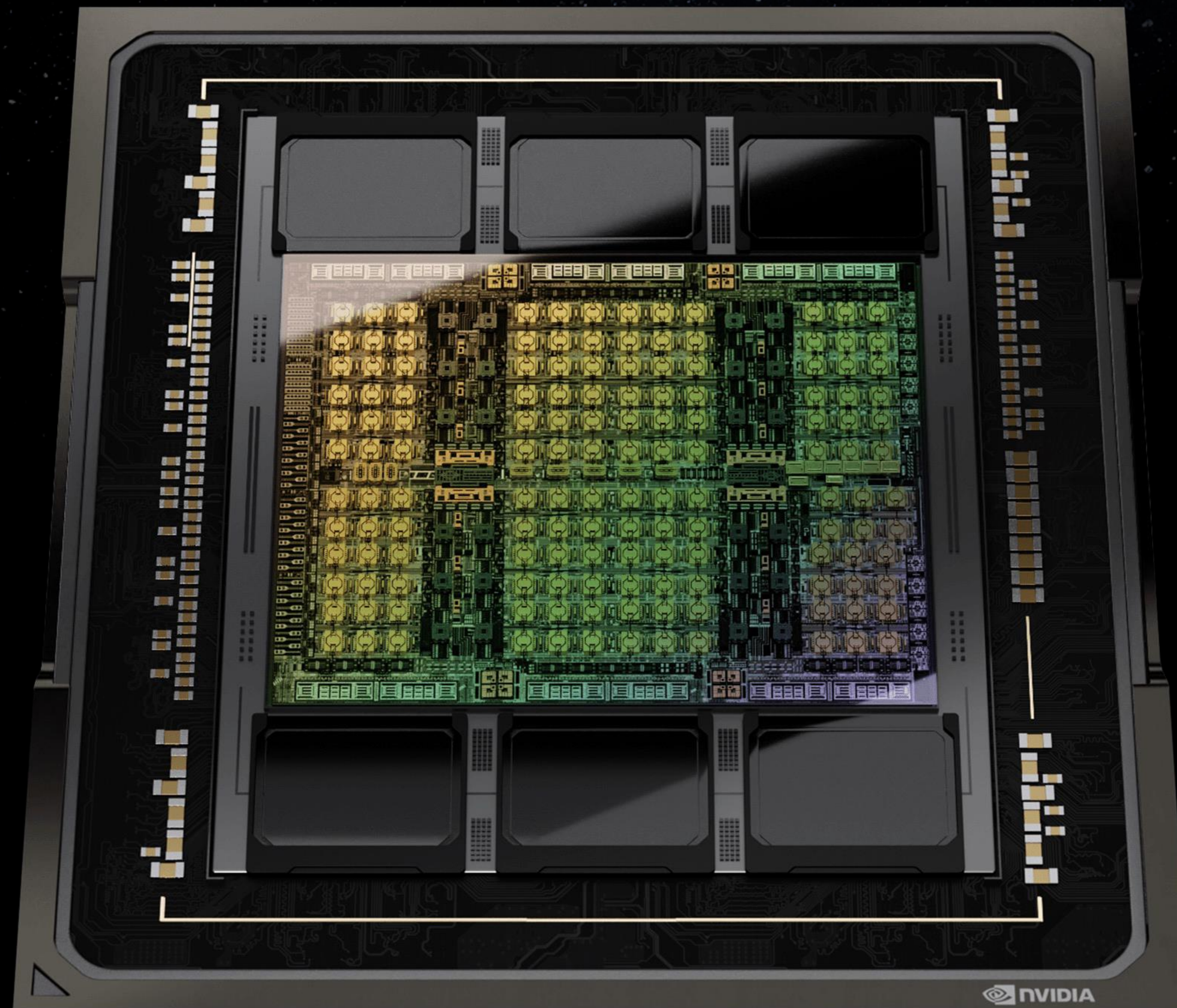
Cloud | Data Center | Workstations | Edge

Try NVIDIA AI: <https://build.nvidia.com/explore/discover>



NVIDIA Powers AI Factories

Data centers process mountains of continuous data to train and refine AI software. Companies are manufacturing intelligence, and their data centers are becoming giant AI factories. NVIDIA is the engine of the world's AI infrastructure.

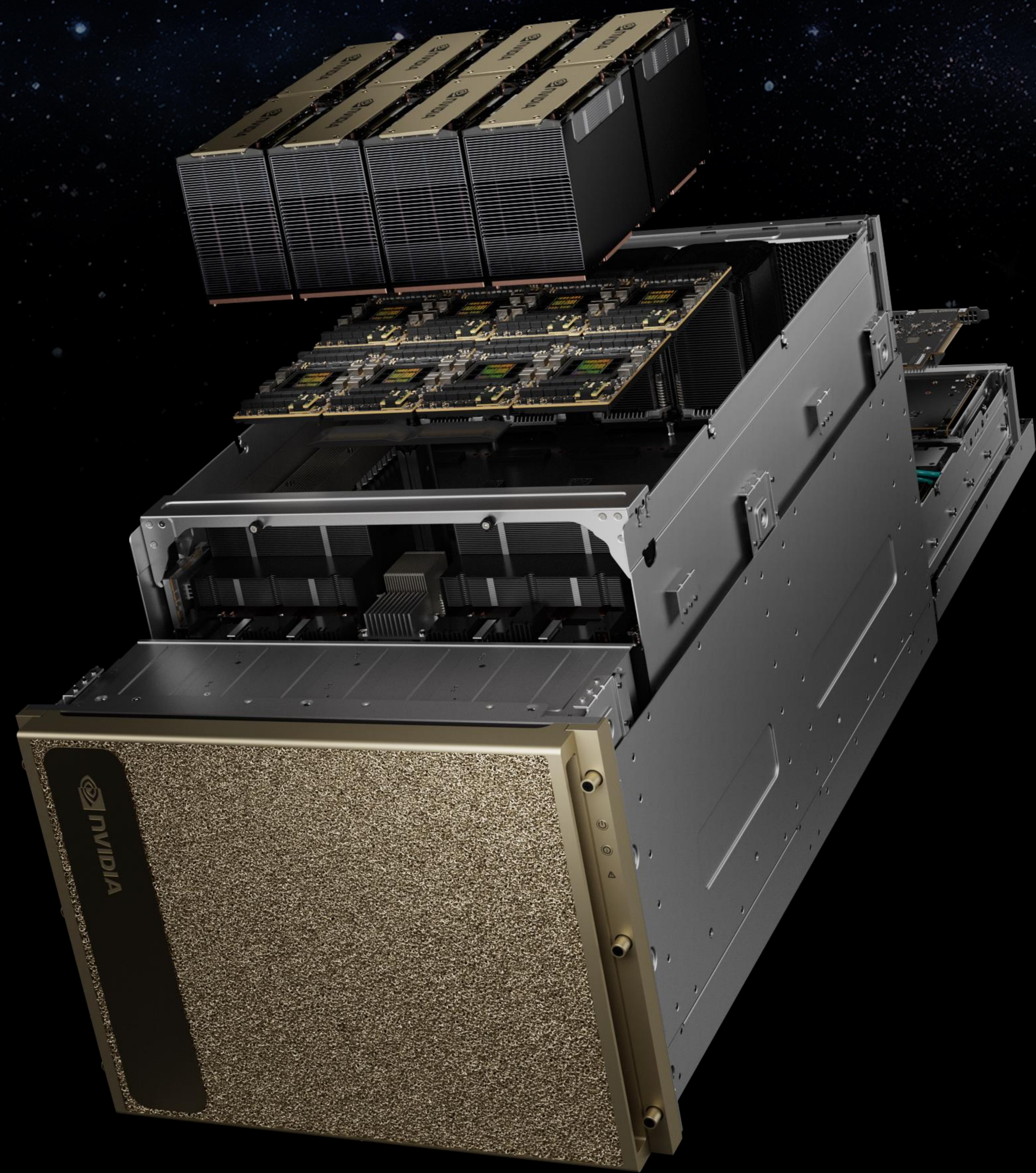


Hopper — The Engine for the World's AI Infrastructure

The NVIDIA Hopper™ architecture will power the next wave of AI data centers. The first Hopper-based GPU, the NVIDIA H100, comes packed with 80 billion transistors and delivers an order-of-magnitude performance leap over its predecessor.

NVIDIA DGX— Purpose-Built for the Unique Demands of AI

Our fourth-generation NVIDIA DGX system is the world's first AI platform to be built with the new H100 GPUs. Each DGX H100 provides 32 petaflops of AI performance at FP8 precision—6X more than the prior generation. The next-generation DGX SuperPOD™ will expand the frontiers of AI with the ability to run massive workloads with trillions of parameters.



Revolutionizing Financial Services with Artificial Intelligence

“Best Places to Work in 2023”

Glassdoor

“Most Innovative Companies”

Fast Company

“World’s Best CEOs”

Barron’s

“100 Best Companies to Work For”

Fortune

“World’s Best Performing CEO”

Harvard Business Review

“50 Smartest Companies”

MIT Tech Review





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