

Al Factories and Community Models to Transform Financial Services

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ACCELERATE EVERY APPLICATION







∽1.5X COST





∽1.5X COST

60X perf / \$OR 98% SAVINGS

30X PERF / W OR 97% SAVINGS

Al is a full stack problem

NVIDIA AI Enterprise - the 'Operating System' for AI

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Medical Imaging	Speech AI	Conversational AI	Customer Service	Recommenders	Physics ML	Communi -cations	Video Analytics	Logistics	Robotics	Autonomous Vehicles	Cybersecurity	
Al and Data Science Development and Deployment Tools Cloud Native Management and Orchestration												
	Infrastructure Optimization											
Accelerated Infrastructure												
\mathcal{C}	Clour	d		Data Ce	nter		Edge		é L	م Embe	dded	

- ✓ Cloud Native, Hybrid Optimized
- ✓ Deploy anywhere: on-prem and in the cloud
- ✓ Reduce OSS development complexity
- ✓ Secure and Scalable
- ✓ Certifications with broad partner ecosystem
- ✓ Improved AI model accuracy
- ✓ Standard Support 9 x 5, Premium 24x7















Enterprise

References in for building a hybrid AI platform/factory



ANNOUNCEMENT C BNY Mellon becomes the first global bank to deploy an Al supercomputer powered by NVIDIA.

With more than 600 opportunities in #AI identified and dozens already in development, this collaboration will streamline and accelerate innovation within our business and across the global financial system.

"Key to our technology strategy is empowering our clients through scalable, trusted platforms and solutions," said #BNYMellon Chief Information Officer Bridget Engle, "By deploying NVIDIA's AI supercomputer, we can accelerate our processing capacity to innovate and launch AI enabled capabilities that help us manage, move and keep our clients' assets safe."

#Nvidia #supercomputing #artificialIntelligence #cio



BNY Mellon, First Global Bank to Deploy Al Supercomputer Powered by NVIDIA DGX SuperPOD With DGX H100

Enterprises Face Challenges Experimenting With Generative Al

Organizations must choose between ease of use and control





NIM: NVIDIA Inference Microservice

Experience, prototype, and deploy the latest AI models at ai.nvidia.com



- State-of-the-art community, commercial and NVIDIA-built models
- Performance-optimized for GPUaccelerated stack

1	Most Popular Foundation Models The lasting was would be by the supervise split and and analyzed as WCML (asteroidae really reference (advised								
	Explore NIM Agent Blueprints Weben stude with gates for understation and explorement of gates and web vector bid were as particle with particles								
	Multimod FOF For Encoder Mode concerts - execution data in the mode concerts - execution data								
	Integrate Concritive Al Into CountSD Diagrams Temps and all ranks are greatly formers Darked Data product the second of the temp Temps and all ranks are greatly formers that the product the temps are all the								
	Trained on Licensed Data with NVIDIA Edify The rest of and dispersions have demonstrate the rest								

Prototype with NVIDIA-hosted API endpoints on ai.nvidia.com



Models "to-go": deploy in production with NIMs

NVIDIA NIM Optimized Inference Microservices

Accelerated runtime for generative AI



Deploy anywhere and maintain control of generative AI applications and data

Simplified development of AI application that can run in enterprise environments

Day 0 support for all generative AI models providing choice across the ecosystem

Improved TCO with best latency and throughput running on accelerated infrastructure

Best accuracy for enterprise by enabling tuning with proprietary data sources

Enterprise software with feature branches, validation and support



aws

Google Cloud



DGX & DGX Cloud

D&LLTechnologies

Hewlett Packard Enterprise





Improved Efficiency Out of the Box

State-of-the-art Throughput Reduces Overall Cost of Solution

Llama 3 70B NIM Delivers 5X Higher Throughput



Llama 3-70b-instruct, input token length: 7,000, output token length: 1,000. Concurrent client requests: 100. 4xH100 SXM NVLink. NIM Off: FP16, TTFT: ~120s, ITL: ~180ms. NIM On: FP8. TTFT: ~4.5s, ITL: ~70ms.

NVIDIA NeMo Retriever NIMs

Available for download today at ai.nvidia.com



NV-EmbedQA-Mistral/B-v2, 1xH 100 SXM; passage token length: 512, batch size: 64, concurrent client requests: 3; NIM Off: FP16, P90 latency: ~3.8x; NIM On: FP8, P90 latency: ~1.8s. NV-RerankQA-Mistral4B-v3, 1xH100 SXM; query token length: 20, passage token length: 512, batch size: 40, concurrent client requests: 3; NIM Off: FP16, P90 latency: ~1s; NIM On: FP8, P90 latency: ~0.56s

INVIDIA.

Building Generative AI Applications for the Enterprise Build, customize, and deploy generative AI models with NVIDIA NeMo. API Gateway 2 il a de bi NVIDIA NIM NeMo Customizer NeMo Retriever NeMo Evaluator NeMo Curator NeMo Guardrails Data Prep Training and Customization Deployment aws Microsoft Azure ORACLE' **D**<LLTechnologies NVIDIA DGX Cloud SUPERMICR Google Cloud **Hewlett Packard** Lenovo **INVIDIA** Enterprise

