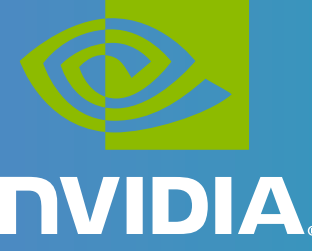


Are you ready for AI?

e+
Where Technology Means More®



Executives believe AI is critical for their businesses to grow and thrive

89%

feel scaling AI leads to competitive differentiation²

84%

say they won't achieve their growth objectives unless they deploy AI¹

75%

believe they risk going out of business in 5 years if they don't scale AI¹

Companies that get AI right separate themselves from the competition

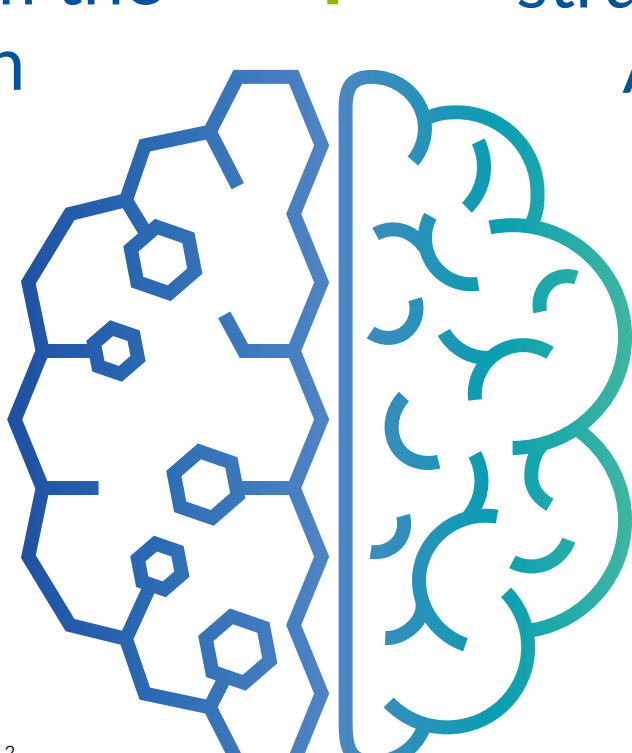
Organizations that scale AI:

Are **7x** more likely to be the fastest-growing businesses in their industry²

62% see better customer experiences²

60% experience increased revenue growth²

58% see increased profitability²



But many organizations are struggling to realize AI's potential

90% are having difficulty scaling the number of AI use cases across their companies²

58% lack tools and platforms to develop advanced analytics and ML models²

50% lack solutions to operationalize these models²

50% lack solutions to monitor models in production²

ePlus and NVIDIA – Accelerating AI Together

50% of AI investments will be quantified and linked to specific key performance indicators to measure ROI.³

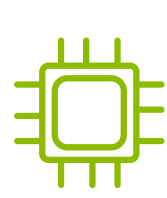
When it comes to deploying AI, business and IT seldom agree on the approach. But partnership is critical to success. ePlus AI Consulting brings together leaders across your organization to conceptualize use cases and to design and deploy an AI infrastructure model that will help you achieve the return on investment you expect.

Use Case Conception → Feasibility Study → Model Design → Model Deployment → Model Maintenance

With Solutions Built on NVIDIA DGX A100 – The Universal System for AI Infrastructure

NVIDIA, the industry-leading platform for building AI solutions, delivers:

Universal System for Every AI Workload



Compute Density – 5 petaFLOPS in 6U form factor



Analytics, Training and Inference – in one agile system that scales



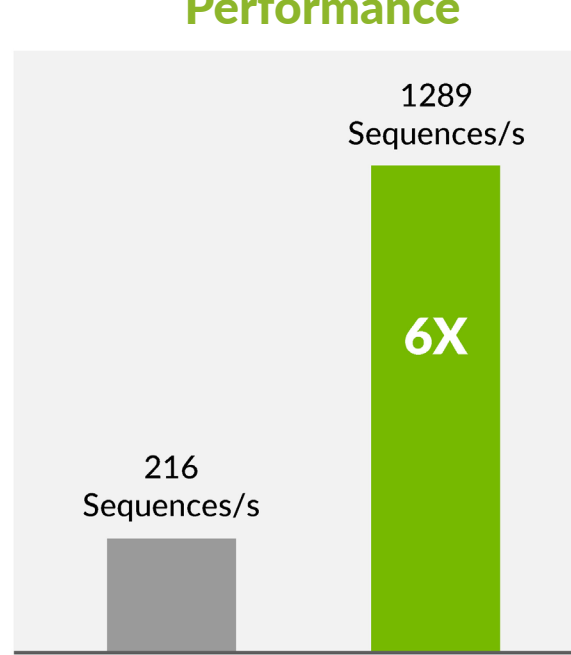
Workload Flexibility – Multi-Instance GPU capability



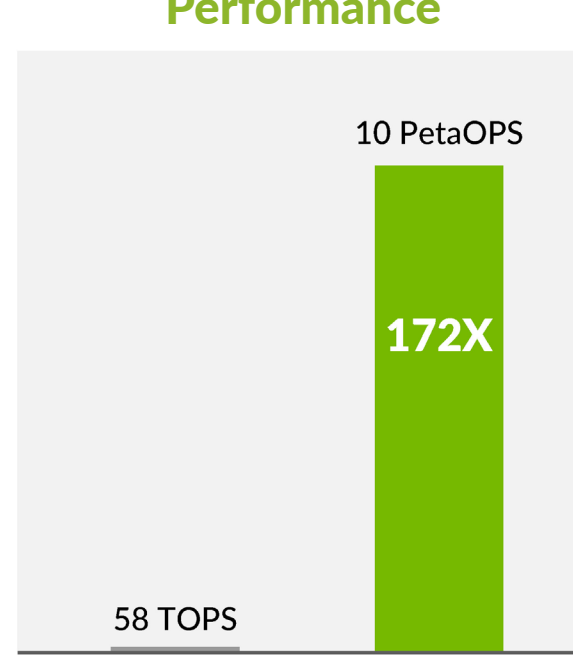
Complete Hardware and Software Platform – DGX software stack with optimized software from NGC

Superior Performance

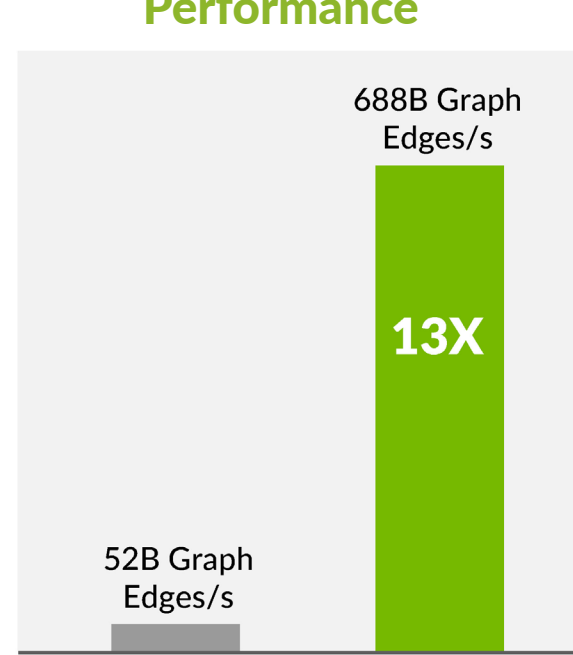
6X The Training Performance



172X The Inference Performance



13X The Data Analytics Performance



BERT Pre-Training NLP: BERT-Large
BERT Pre-Training Throughput using PyTorch including (2/3)Phase 1 and (1/3)Phase 2 | Phase 1 Seq Len = 128, Phase 2 Seq Len = 512
V100: DGX-1 Server with 8x V100 using FP32 precision
DGX A100 320GB: DGX A100 with 8x A100 40GB using TF32 precision

CPU Server: 2x Intel Platinum 8280 using INT8
DGX A100 320GB: DGX A100 with 8x A100 40GB using INT8 with Structural Sparsity

3000x CPU Servers vs. 4x DGX A100 320GB
Published Common Crawl Data Set: 128B Edges, 2.6TB Graph



Unmatched Scalability
500 GB/sec

peak bi-directional bandwidth (NVIDIA DGX A100 640GB)

Demonstrated Industry Value and Use Cases



Ready to take the next step?

ePlus AI Consulting can help you turn your AI vision into reality. Contact us today at ai@eplus.com to find out how.

To learn more about NVIDIA DGX A100, visit www.nvidia.com/DGXA100

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Sources

¹ Failure to Scale Artificial Intelligence: Could Put 75% of Organizations Out of Business, Accenture Study Shows. Accenture Press Release, November 14, 2019. <https://newsroom.accenture.com/news/facial-intelligence-could-put-75-percent-of-organizations-out-of-business-accenture-study-shows.htm>

² Overcome Obstacles to Get to AI at Scale: Invest In and Scale AI to Become an Industry Leader. Forrester Consulting, January 2020.

³ 3 Barriers to AI Adoption. Gartner, September 18, 2019. <https://www.gartner.com/smarterwithgartner/3-barriers-to-ai-adoption/>