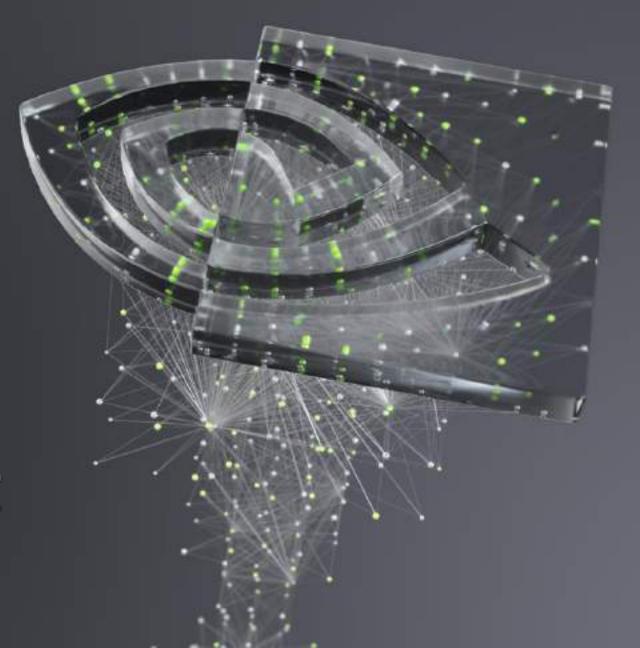


NVIDIA ENTERPRISE

Emilio Tamez Julio 2020



"ES OFICIAL: NVIDIA YA NO ES SOLO UNA EMPRESA DE JUEGOS"

DATA CENTER KNOWLEDGE

Los data centers modernos ejecutan cargas de trabajo de una escala y una complejidad increíbles, impulsados por las aplicaciones de IA y machine learning, que aprovechan millones de usuarios en simultáneo. Estas aplicaciones son tan grandes que ningún servidor, por poderoso que sea, puede procesarlas.

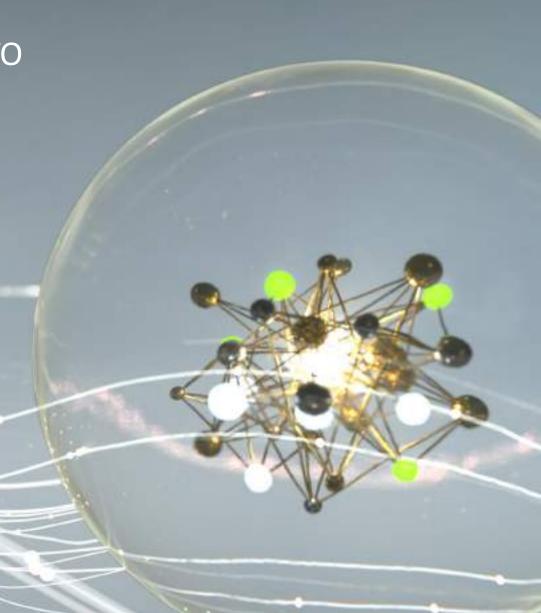
Con Mellanox, podemos aplicar innovaciones por completo, desde el procesamiento, las redes y el almacenamiento hasta seguridad, en todo el data center. Y en todo el conjunto, los desde chips hasta los servidores, los conmutadores de red y el software sofisticado.





Solíamos pensar en un servidor con CPU como la unidad básica de procesamiento. Sin embargo, para satisfacer las demandas de las cargas de trabajo de IA y machine learning de la actualidad, debemos optimizar todo el data center de punta a punta. Las redes, el almacenamiento, el procesamiento y la seguridad.

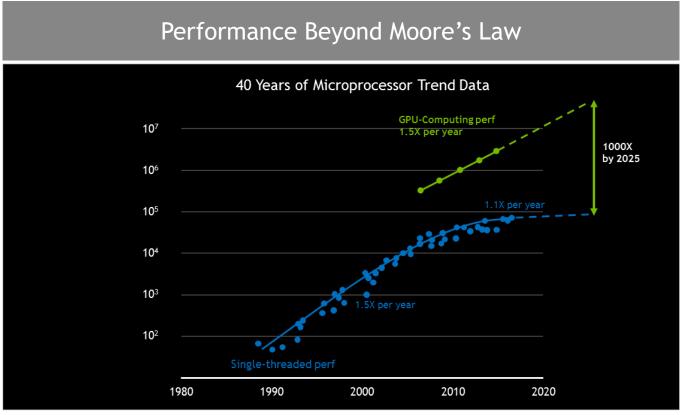
La nueva unidad de procesamiento es el data center en sí mismo.

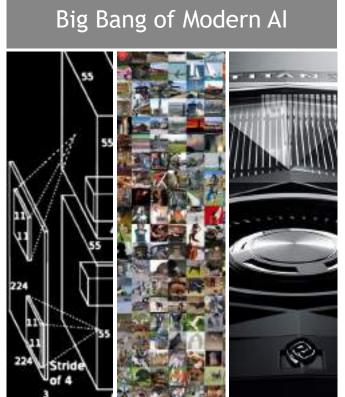




GPU COMPUTING AT THE HEART OF AI

New Advancements Leapfrog Moore's Law







NVIDIA PRODUCTS & MARKETS

Strength Across Multiple Domains



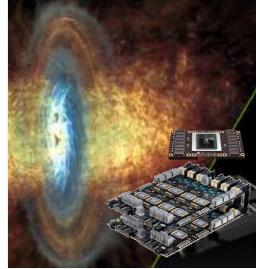
Robotics, Auto Jetson



Consumer, Gaming GeForce



Professional Visualization Quadro



HPC, Datacenter, Cloud

"Hemos recorrido un largo camino desde la invención de la GPU para acelerar los juegos hasta la reinvención de la GPU para que sea el coprocesador más diverso y poderoso que hayamos visto".

LA PRÓXIMA PLATAFORMA

NVIDIA fue pionera en el procesamiento acelerado para hacer frente a los desafíos que las computadoras comunes no pueden resolver. Hacemos computadoras para que los da Vincis y Einsteins de nuestro tiempo puedan ver y crear el futuro.

El procesamiento acelerado requiere algo más que un chip potente. Logramos aceleraciones increíbles a través de la invención del conjunto completo, desde el chip y los sistemas hasta los algoritmos y las aplicaciones que ejecutan.



HPC & AI TRANSFORMS INDUSTRIES



ENTERPRISE NVIDIA SOLUTIONS

HPC High Performance Computing

GRAND CHALLENGES REQUIRE MASSIVE COMPUTING





Artificial Intelligence

AI TO TRANSFORM EVERY INDUSTRY



PLATFORM BUILT FOR AI

Accelerating Every Framework And Feeling amovation





NVIDIA GRID (Virtualization GPU)



UNLOCKING NEW USE CASES FOR GRID

New MVIDIA GRID Features

- + 2 GB profite to support "new normal," for knowledge workers
- Linux VOI for developers.
- Multiple Applicant: up two 4K monitors or four HD monitors.















THE LEARNING MACHINES

Using massive amounts of data to recognize photos and speech, deep-learning computers are taking a big step towards true artificial intelligence.

BE WICHLE JUNES

love years ugo, researchers at the help compares to crack more political that View, California, extracted some meing books understooling language all on its own, that there were pertain repeating categories it could identify framen faces. See simulated segmen and I follow singharnes brokes and cas'.

sive amongsts of data and processing power. Such advances make for exciting times to

secretive Georgie X lish in Mountain. Ingresse wifer about intrafficely, from mong-

If million still images from Too Table . Deep learning itself is a next of an even videos and field there into Google Brain - other sites for computing securil normalis. - 4 serverk of 1,000 company pro- Those systems, loosely improal by the detaily grummed to reak up the world much as a supercommend response of the brain, mimic human tribility-does. After three days looking. Increase learning by changing the strongth of the recenting patterns, Georgic Brazo decided, attendanted speed commercians on the basis of respectations. Google Bissio, with about 1 test hand connections, was tentimes larger than Google Brain's discovery that the Inter- usy deep neural surwork before it. Project not in full of cut videou procedured a flavoy of . Assaulter Andrew Nig. were director of the joint from prepalists. But it was also also also. Artificial intelligence Laboratory at frautised muck in the renargeous of steep feaching a. University is California, has gone on to make

TESLA REVOLUTIONIZES DEEP LEARNING

GOOGLE BRAIN APPLICATION

	BEFORE TESLA	AFTER TESLA
Cost	\$5,000K	\$200K
Servers	1,000 Servers	16 Tesla Servers
Energy	600 KW	4 KW
Performance	1x	6x



"EL NUEVO SISTEMA DGX A100 DE NVIDIA OFRECE 5 PETAFLOPS DE RENDIMIENTO EN UN SOLO NODO"

TWEAKTOWN

NVIDIA DGX[™] es un sistema diseñado internamente, desde cero, y específicamente para la inteligencia artificial y la ciencia de datos de vanguardia.

NVIDIA DGX A100 consta de 8 GPU A100 y 9 unidades de procesamiento de datos Mellanox CX6 InfiniBand. Un solo sistema DGX tiene el rendimiento equivalente de 150 servidores de alta gama que cuestan más de un millón de dólares. La DGX A100 se vende por \$199,000. Está en plena producción y se envía a todo el mundo.



TODAY'S AI DATA CENTER

- 50 DGX-1 systems for Al training
- ▶ 600 CPU systems for AI inference
- \$11M
- 25 racks
- ► 630 kW



DGX A100 DATA CENTER

- 5 DGX A100 systems for Al training and inference
- ► \$1M
- ► 1 rack
- ▶ 28 kW



THE EXPANDING UNIVERSE . OF MODERN AI





4,000+ AI START-UPS

\$33B IN FUNDING







amp

Bloomberg

ebay

FANUC





























VOI

YAH

AI-ACCELERATED CYBER DEFENSE

Our daily life, economic vitality, and national security depend on a stable, safe and resilient cyberspace. But attacks on IT systems are becoming more complex and relentless, resulting in loss of information and money and disruptions to essential services. Accenture's dedicated cyber security lab uses NVIDIA GPUs, CUDA libraries, and machine learning to accelerate the analysis and visualization of 200M-300M alerts daily so analysts can take timely action.

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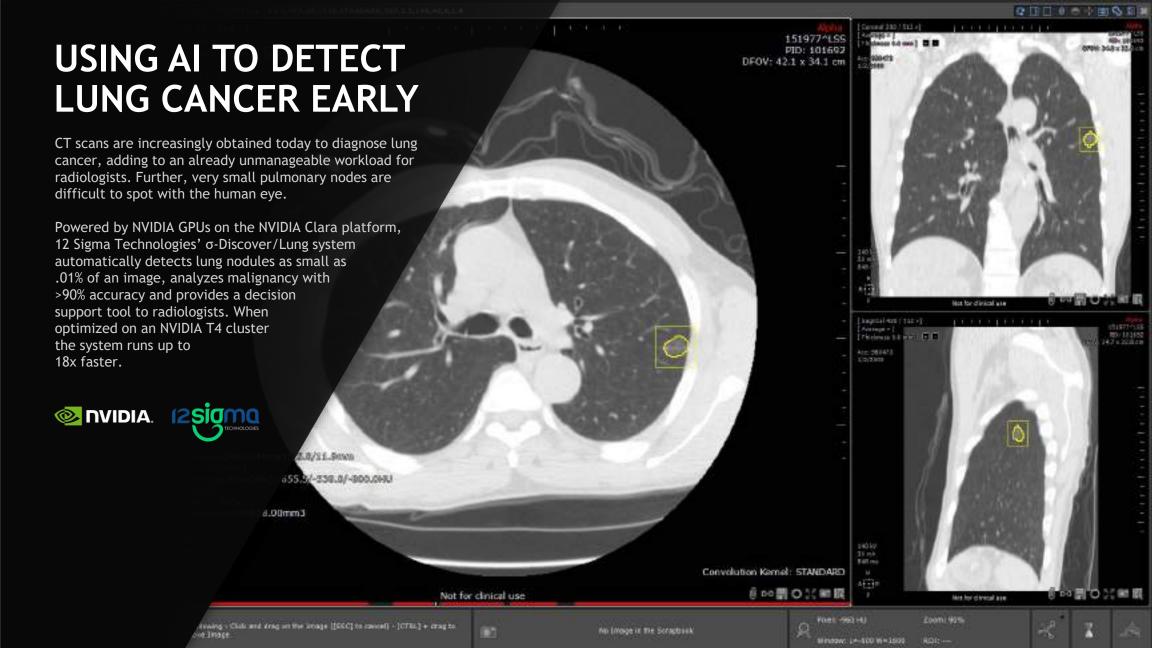
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accenture

JNADSB

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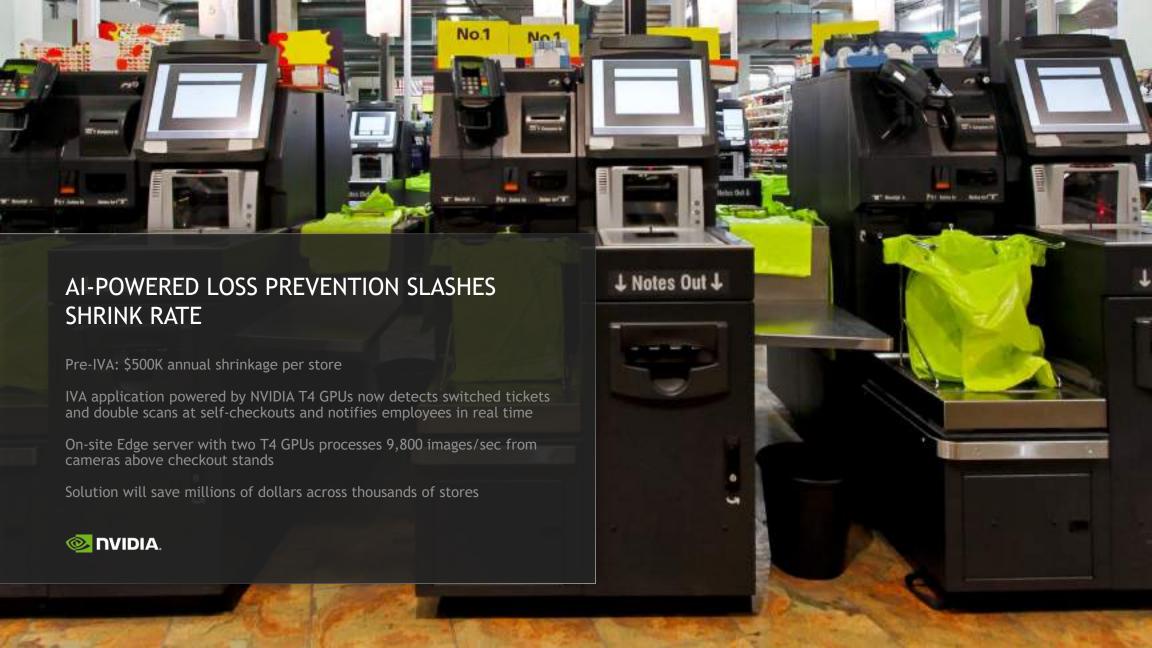




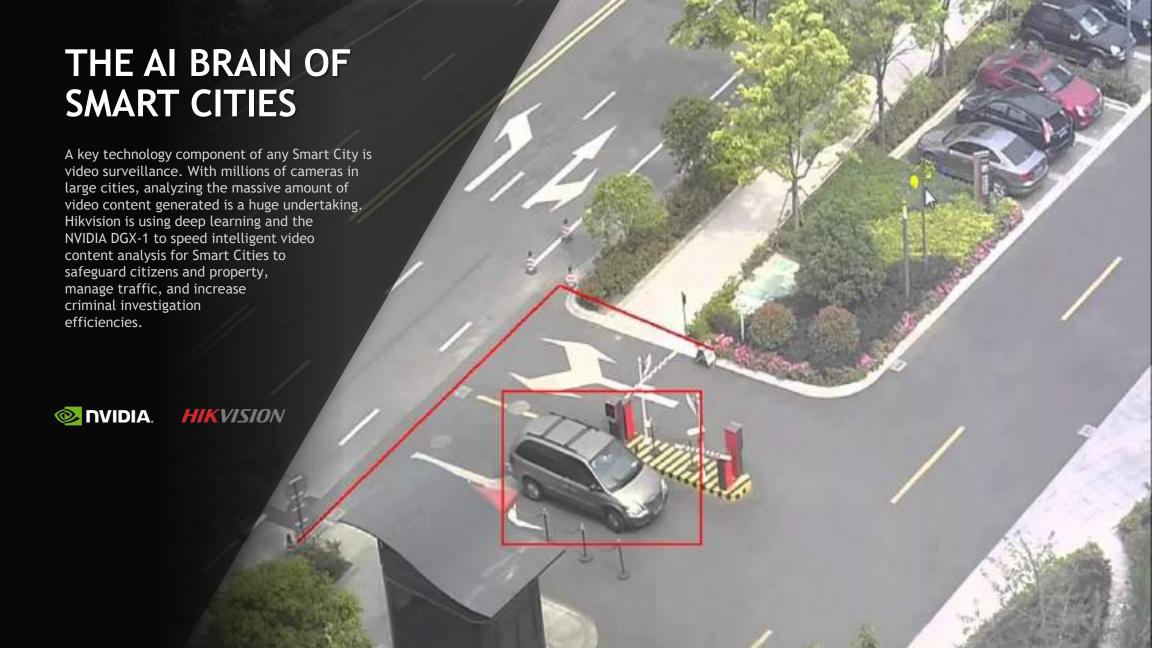














GPU VIRTUALIZATION FOR ANY WORKLOAD

NVIDIA delivers GPU virtualization for both graphics and compute workloads

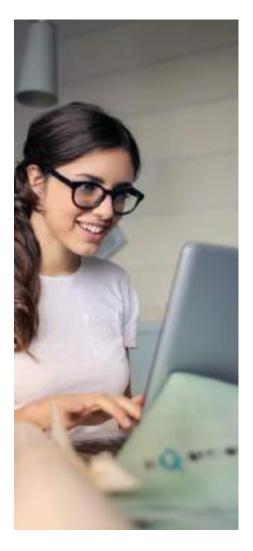




WORKPLACE TRENDS 2020

Indicated they have recently implemented 'work from home' arrangements

Indicated that poor technology and/or infrastructure for remote working is the biggest barrier to effective remote working







IDC predictions for G2000 companies by 2021

60%

will utilize employee experience (EX) as a key differentiator

60%

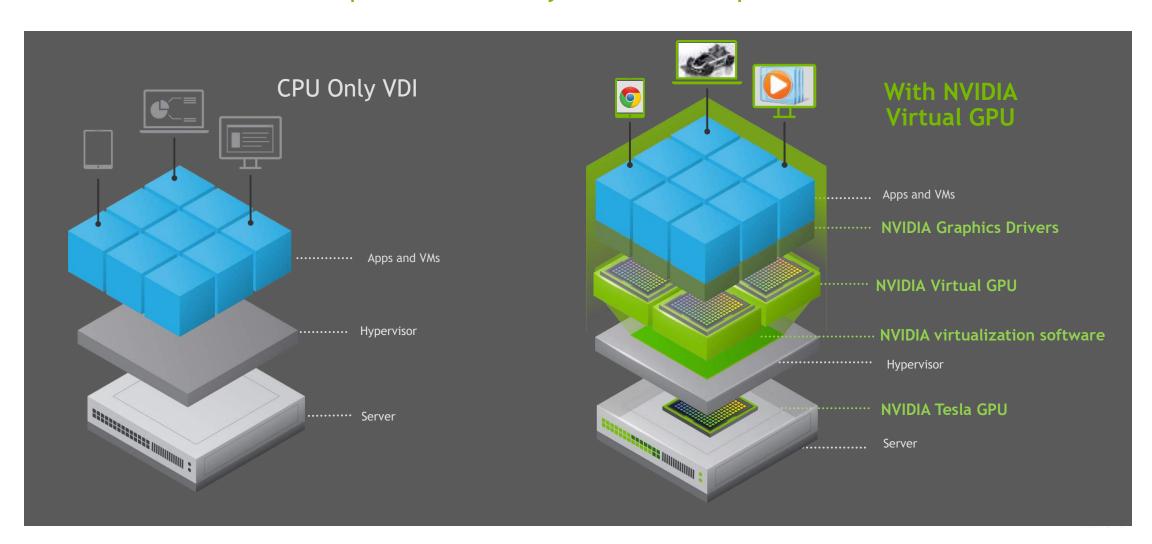
will have adopted a future workspace model

65%

will offer remote work options for accessing enterprise and collaboration apps

NVIDIA VIRTUAL GPU

GPU Accelerated Experience to every Virtual Desktop with NVIDIA HW and SW



ACCELERATE PRODUCTIVITY

For Every User, Any App



Knowledge Worker

Providing business users the highest level of experience for all their apps on any device



















Uncompromised experience for professional graphics users allowing them to design on the go









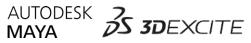












Scalability

Performance

IMMERSIVE VIRTUAL WORKSPACES



NVIDIA GRID Virtual PC NVIDIA GRID Virtual Apps



NVIDIA Quadro Virtual Data Center Workstation

VCS - Virtual Compute Server



QUADRO VIRTUAL WORKSTATIONS

Bringing the Power of Quadro to Professional Workflows Anywhere







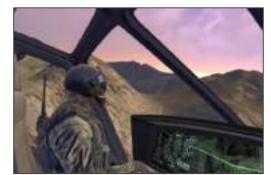




Education

Energy

Financial Services









Government

Healthcare

Manufacturing

Media & Entertainment

More than 4,000 VDI

systems take advantage of improved performance and UX

Key Applications: CATIA, Cinebench Graphics Acceleration: Quadro vDWS GPU: NVIDIA Tesla M60





VIRTUAL LABS IMPROVE STUDENT EXPERIENCE

Georgia Tech has long required that its students own computers—typically laptops—so that it can better serve their educational needs. However, when it came to accessing the graphics-intensive applications required by many science and engineering courses, the student laptops weren't capable of running these applications due to hardware requirements or licensing restrictions. So students could only use a limited number of computer labs where they were installed. By creating Vlab, students can now access all required applications on their own devices, where ever they are.





NVIDIA GPUS EVERYWHERE

140+ Servers from more than 30 system vendors



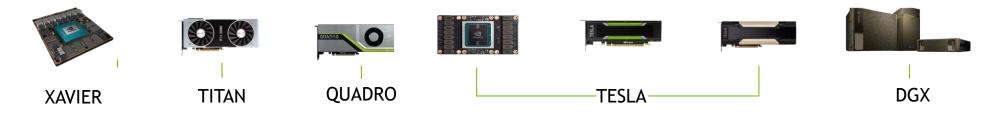




NVIDIA PLATFORM

Comprehensive End to End Hardware and Software Stack

HPC				Al	VISUALIZATION		NVIDIA GPU	
NVIDIA AI	DRIVE	MET	ROPOLIS	ROPOLIS CLARA ISAAC RTX vGPU			vGPU	CLOUD
WOR	WORKSTATIONS SERVERS CLOUD							
CUDA & GPU COMPUTING ARCHITECTURE								







July 2020

PARTNERING WITH NVIDIA

Accelerating Profitability and Success

NVIDIA PARTNER NETWORK (NPN) PARTNER PROGRAM

NVIDIA's award-winning NPN Partner Program offers a comprehensive portfolio of benefits, incentives and resources, aligned with a partner's level of commitment and deep expertise in NVIDIA GPU computing, to increase profitability, expand into to markets, and empower customer success.





NPN SOLUTION PROVIDER

Program Benefits*

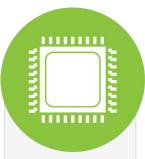


Tiered membership levels**

Partner management team

Business planning & review meetings

Business Partnership



Award-winning technologies, solutions and brands

Easy access to products and technology information

Products & Technology



Access to PBMs and sales support

Incentives and promotions

Opportunity Registration (Compute & Virtualization)

Demo Program (NFR)

Sales



Partner marketing resources

MDF

Marketing tools

Partner Portal

Partner Locator & Where To Buy





Self-paced online sales and technical training

Competency curriculums

Industry Vertical Training

Training & Enablement



Partner technical team resources

Online support tools

Priority technical support

Support

^{*} This is a condensed overview of the NPN Program Benefits. A comprehensive list is outlined in the NPN Program Guide.

^{**} New partners will enter the program at the Registered level

FY21 NPN PARTNER* COMPENSATION

Excluding Product Margin

Discounts / Rebates	Elite	Preferred	Registered	
Opportunity Registration	Yes 15% 21%	Yes 15% 21%	Yes 15% 21%	
NEW: Fixed Rebate on all POS**	1%**	-	-	
Change/New: QPB + New Annual Target**	1%	-	-	
QPB Stretch for Above Target Achievement**	2%	-	-	
Quarterly Incentives (retained margin)	Yes	Yes	-	
Edu & Inception Discount Eligibility	Yes	Yes	Yes	
MDF	Yes	Yes	-	

^{*} Solution Provider and Solutions Integration Partners must be in good standing and compliant in the NPN Partner Program.

^{**} Maximum Rebate Payout Applies.

NPN SOLUTION PROVIDER

Program Requirements*



Master Agreement & Competency Exhibits

Territory Authorization

Business Planning and Review Meetings

Business Partnership



Competency POS Threshold Attainment

Provide Sales Out Data



NVIDIA Brand Compliance

Drive Marketing Activities

Marketing

Host Local Events



NVIDIA Sales Professional Training

NVIDIA Technical Professional Training





Provide frontline customer support

Drive RMA Process

Support

Sales

^{*} This is a condensed overview of the NPN Program Requirements. A comprehensive list is outlined in the NPN Program Guide and Competency Documents.

SP COMPUTE DGX COMPETENCY THRESHOLDS

Curriculum Requirements and Annual Sales Schedule

Compute Competer	Elite	Preferred	Registered	
	NVIDIA Trained Sales Professionals*	4	2	2
Compute DGX Products	NVIDIA Trained Technical Professionals*	2	1	1
7.700.000	DGX Hands-on Installation Training	2	2	2
	Complete DLI Courses	2	N/A	N/A

Compute DGX					
Schedule	Geo	Country	Elite POS USD	Preferred POS USD	Registered POS USD
	APAC	China			
1	Japan	Japan	\$2.5M	\$625K	\$0
NALA		US			
1 2		Korea	\$1.5M	\$375K	\$0
		Germany	\$1.5101		
	APAC Hong Kong, India, Singapore, Taiwan				
3	EMEA	Belgium, France, Sweden, UK, Switzerland	\$1M	\$250K	\$0
NALA		Canada			
4	Rest of World	All Other Countries not listed above	\$500K	\$125K	\$0



NPN TRAINING & ENABLEMENT

SP Competencies and Curriculums - Time Investment

Time to complete curriculums (hours: minutes)*

COMPENTENCIES	CURRICULUM(S)	SALES PROFESSIONAL CURRICULUM*	TECHNICAL PROFESSIONAL CURRICULUM*
Compute	Compute	5:22	6:49
Compute DGX**	Compute + Compute DGX	5:22 2:53	6:49 3:01
Visualization	Visualization	2:15	5:05
Virtualization	Virtualization	1:50	3:52



www.nvidia.com/npnportal



^{*} Requirements vary by program type, curriculum and level within the program.
* Unique individuals are required to complete each curriculum.

^{**} Compute DGX 2020 Curriculum is required. Compute 2020 Curriculum is suggested, but not required. Compute 2021 will be required when it launches in the fall of this year.

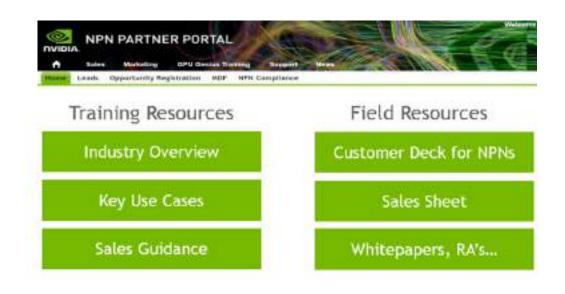
INDUSTRY ENABLEMENT

Training for Knowledge, Resources for Guidance & Engagement

Content and concise training designed to help you identify target customers, initiate conversations and qualify sales opportunities for a range of industry focused use cases.

Industry Solutions highlighted on the NPN Partner Portal:

- Healthcare
- Higher Education and Research
- Financial Services and Insurance
- Manufacturing and Industrial
- Media and Entertainment
- Energy/Oil and Gas
- Retail
- Additional resources in progress



www.nvidia.com/npnportal - GPU Genius Training



OPPORTUNITY REGISTRATION

Overview*

Eligibility: NPN Solution Providers, meeting competency requirements and in good standing

Products:

PRODUCT	DISCOUNT	MINIMUM
DGX	15%	No minimum
vGPU software	21%	\$10K USD (list price)
DLI Workshop, 1-day (\$10k SkU only)	10%	No minimum

Key Criteria:

- Must be a new opportunity, not previously registered. Can be a new customer, new department or a new solution at existing location
- Partner presales efforts must be in place, min deal size met within auth. territory

Timing:

- Opportunity Registrations are open for 90 days
 - ► One Extension allowed for additional 90 days (180 days total), partner must be highly active
 - Do not let the Opp expire or terminate! They cannot be resurrected.

Important:

- Be sure to respond to system emails prompting next steps and deadlines
- Stay engaged with partners

MIDIA.

DEMO PROGRAM OVERVIEW

Not for Resale (NFR) Product Discounts to Drive Revenue



NPN Demo Program provides partners with discounted pricing on specific hardware and software to support the sales process. NFR demo products are intended for a partner's in-house development, customer demonstration or proof-of-concept.

Program eligibility is based on the program type and level of membership.



NPN PARTNER PORTAL

Online access to a full suite of enablement tools & resources to accelerate sales success

Sales Tools

- Product datasheets & whitepapers
- Customer Presentations
- Demo Program (NFR)

Marketing Resources

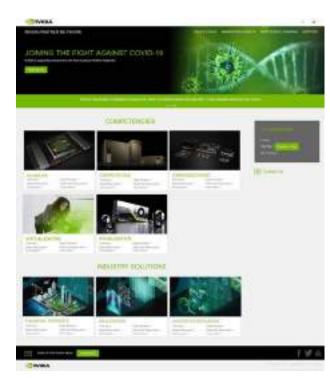
- Product Launch Kits
- Marketing Campaign Tools & Resources
- Webinars, News and Events

GPU Genius Training

- Comprehensive Course Catalog
- Competency Curriculums
- Industry Vertical Resources

Support

- Technical Support Tools
- Knowledge Database
- Partner Support Contacts



www.nvidia.com/npnportal

NPN Partner Portal* - Your "One-Stop" Shop

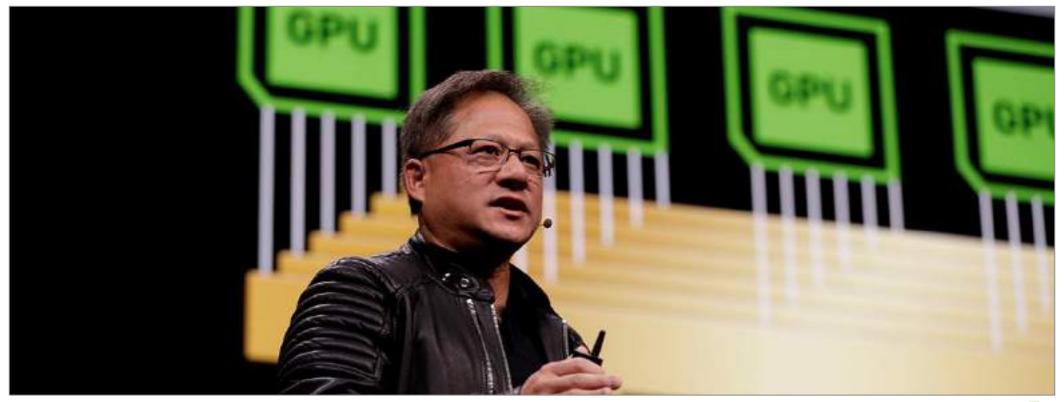
^{*} NPN Partner Portal provides role-based permissions.



Training developers, data scientists, researchers and IT professionals how to solve their most challenging problems

GPU TECHNOLOGY CONFERENCE

GTC is the premier Al Conference providing training, insights, and direct access to experts on the hottest topics in computing today.









Sigue **NVIDIA**





/nvidia-latinoamerica

