PyData

La Paz

¿QUIÉN ES ESTE CUATE?

Enrique Rivera

PyData
La Paz

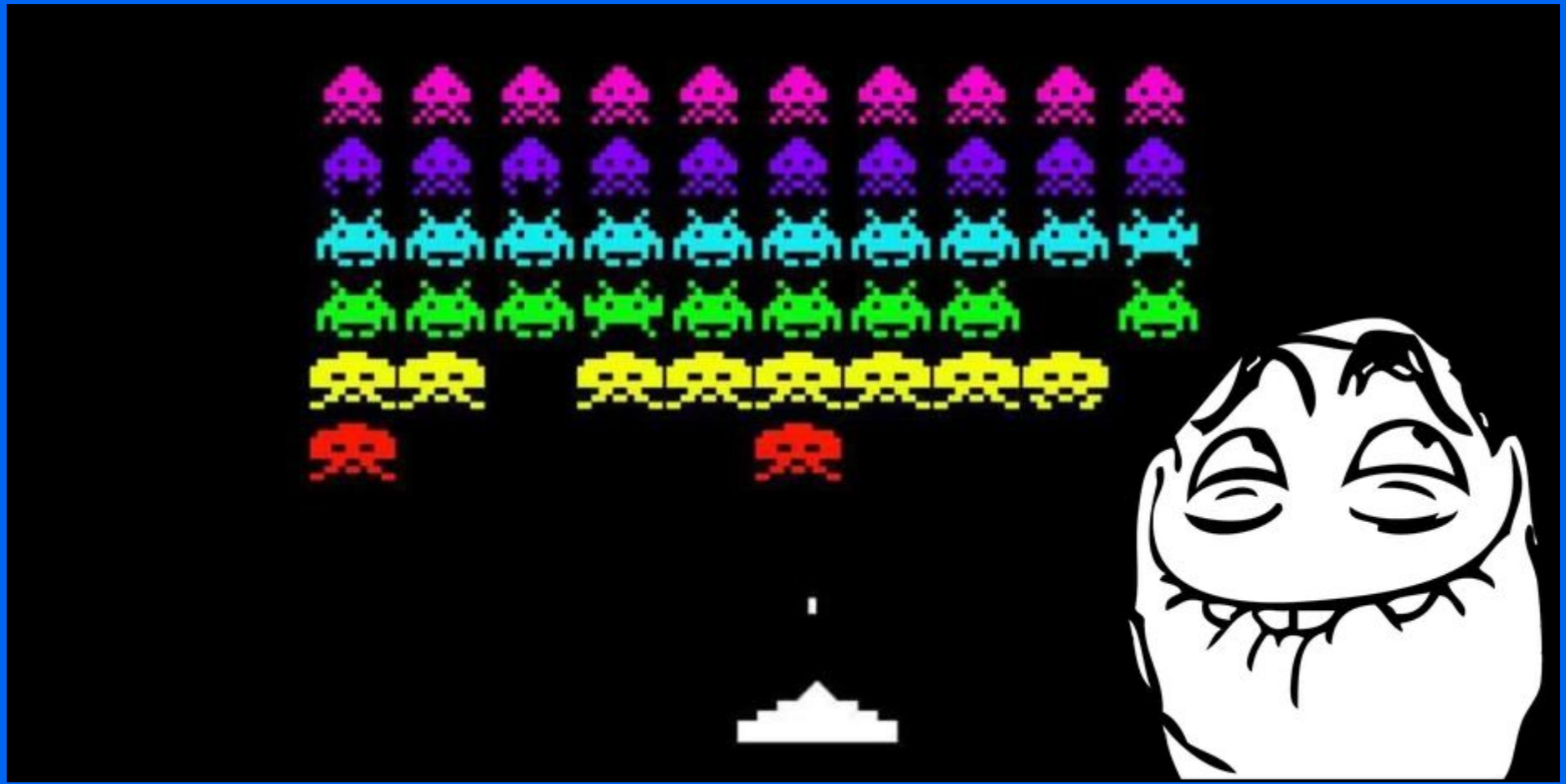
The house of the goblins

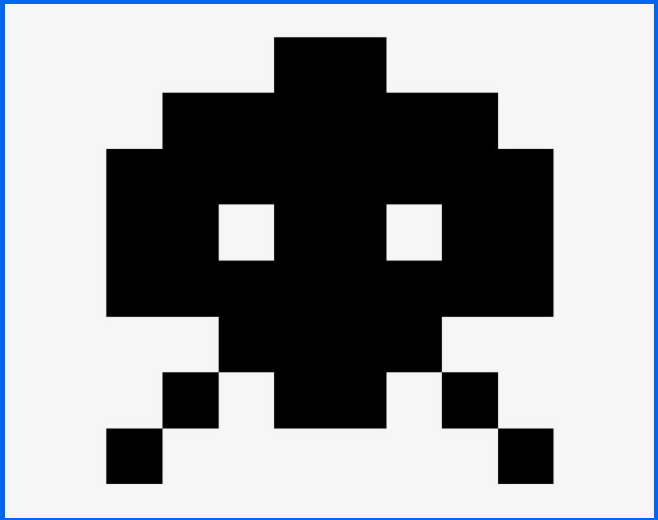
GPU in the Cloud

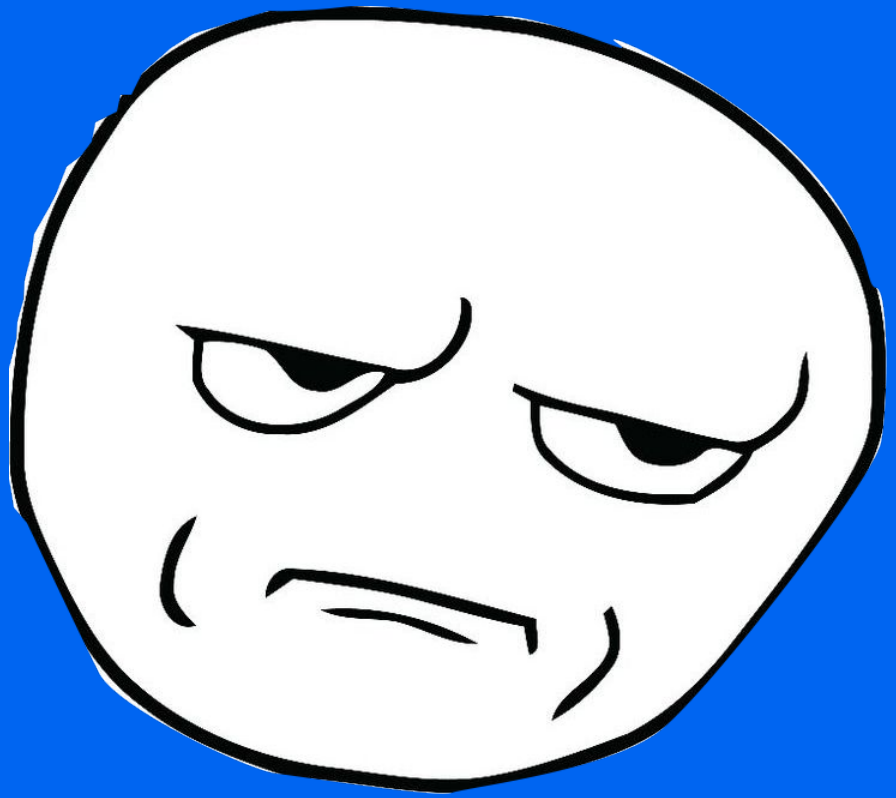
¿QUÉ SABEMOS DE GPUs?

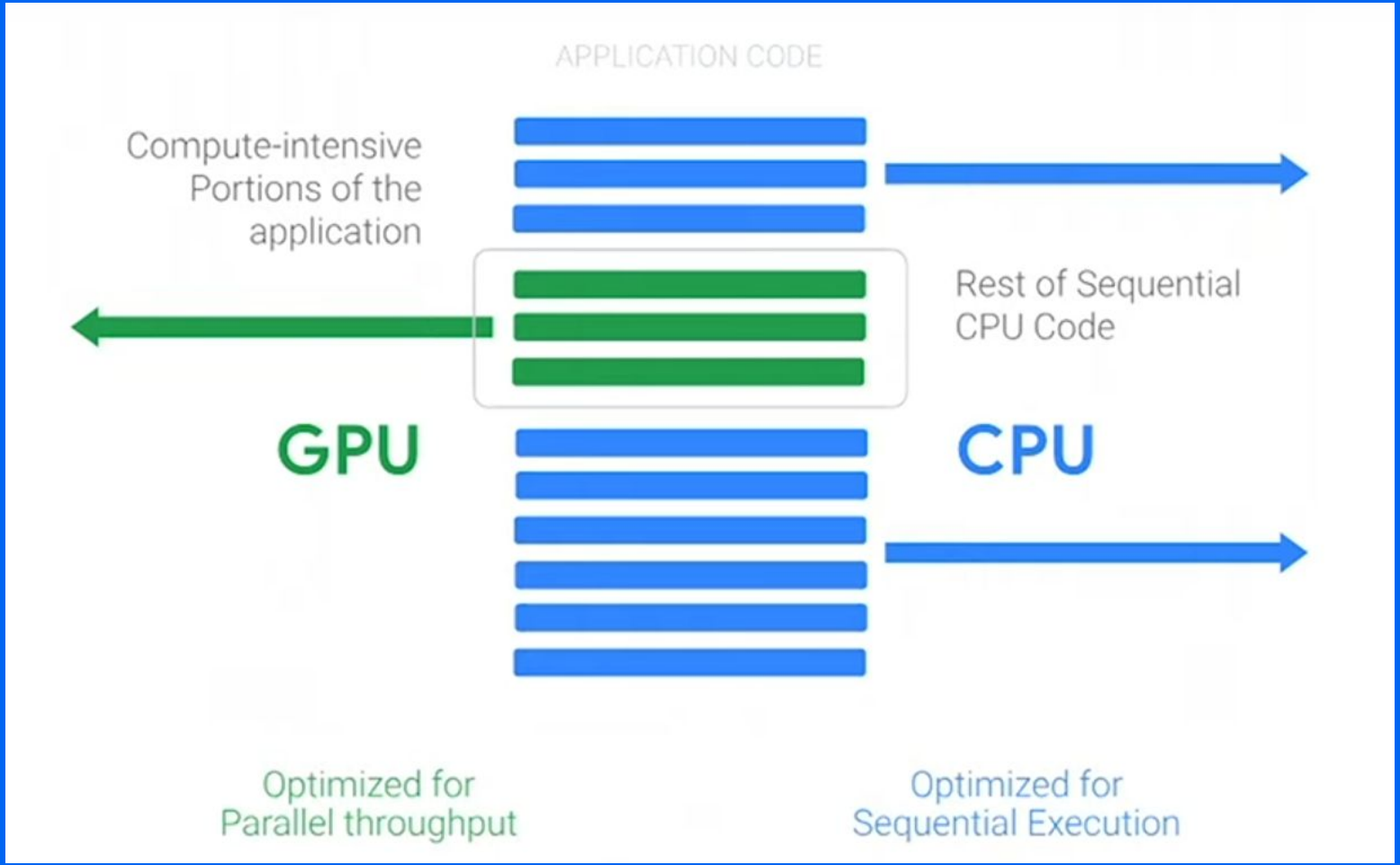
GEFORCE
GTX 1080

¿QUÉ HACEN LAS GPUs?

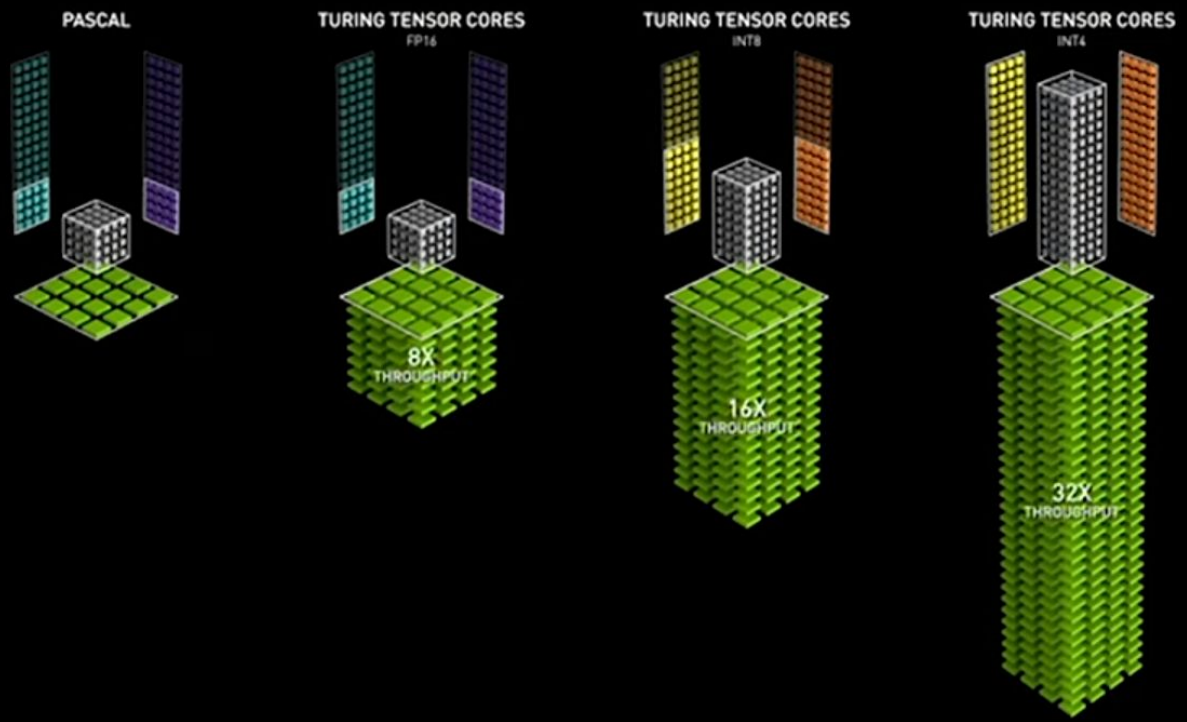







APPLICATION CODE
Compute-intensive Portions of the application
Rest of Sequential CPU Code
GPU
CPU
Optimized for Parallel throughput
Optimized for Sequential Execution

T4 powered by multi-precision Turing Tensor Cores



Machine Learning Training

Machine Learning Inference

High Performance Computing

Visualization

ML Training on GPUs = Creation of your AI

Insights

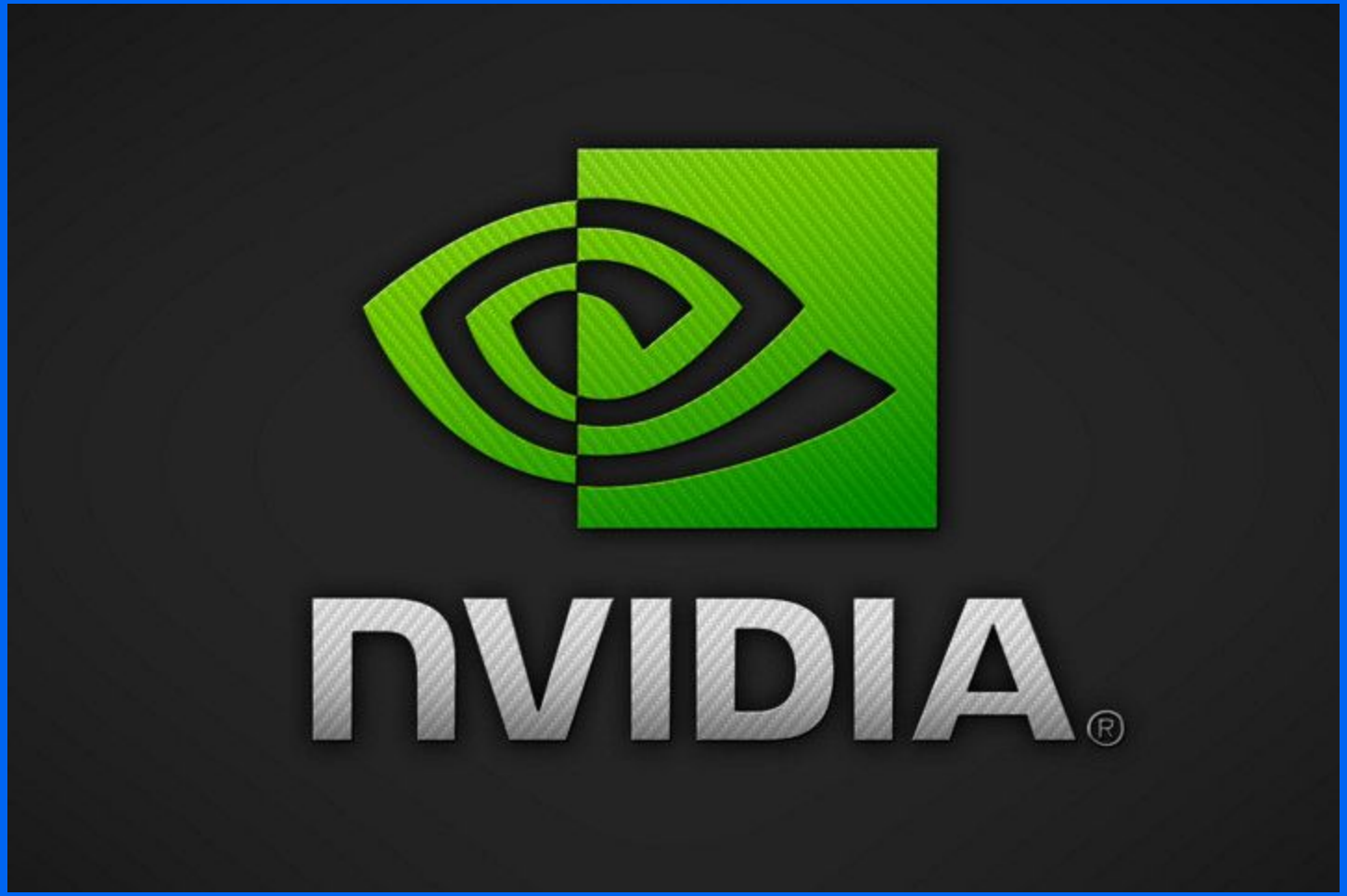
Innovation

Automation

MakeAGIF.com

¿GPUs en la nube?

Google Cloud

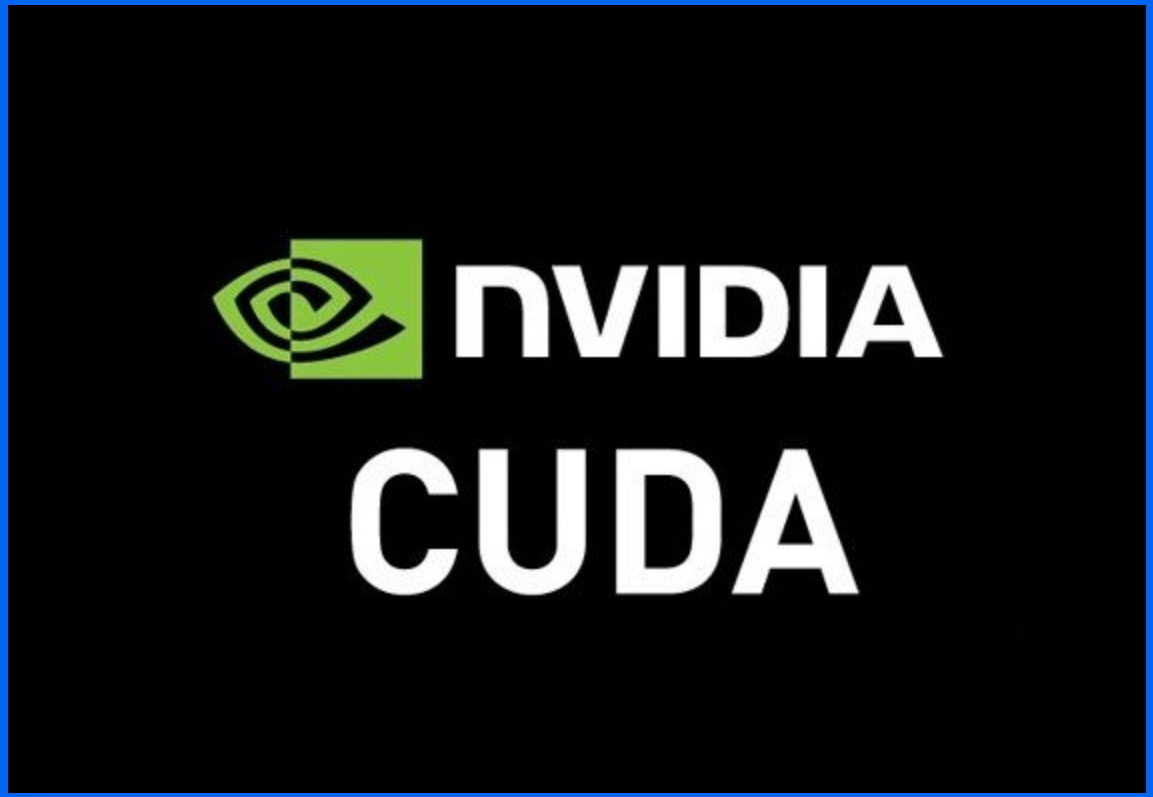

NVIDIA®

NVIDIA GPU availability on GCP

	Google Cloud GPU Type				VM Configuration Options			
NVIDIA GPUs	Training	Inference	Compute	3D	Memory (GB)	TFLOPs (single-precision)	GPUs	vCPU	System Memory
V100 w/ NVLINK	●	●	●		16 / 128 max	14.0	1, 2, 4, 8	1-96	1-624 GB
P100	○		●	○	16 / 64 max	9.3	1, 2, 4	1-96	1-624 GB
K80	○		●		12 / 96 max	8.7	1, 2, 4, 8	1-64	1-416 GB
T4	○	●	○	●	16 / 64 max	8.1	1, 2, 4	1-96	1-624 GB
P4		●	○	●	8 / 32 max	5.5	1, 2, 4	1-96	1-624 GB

Activar Windows
Ve a Configuración para activar Windows.

¿CÓMO LO HACES?


NVIDIA
CUDA

Genial hora de trabajar en CLOUD

¡GRACIAS!

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Kike Rivera