GPU in every workload

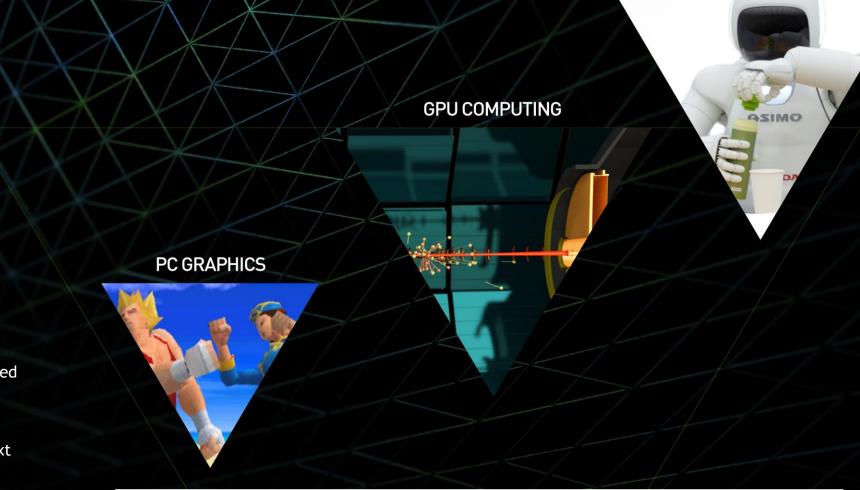
Mason Wu, Solution Architect April. 2018



AGENDA

- NVIDIA Introduction
- Tesla for HPC and AI
- GRID vGPU for Virtualization environment
- Quadro for Professional visualization

2016



1996

2006

NVIDIA A LEARNING MACHINE

GPU sparked the growth of PC gaming, redefined modern computer graphics, and revolutionized parallel computing

GPU deep learning ignited modern AI — the next era of computing

TESLA FOR HPC & AI

DEEP LEARNING IS SWEEPING ACROSS INDUSTRIES

Internet Services

Medicine

> Cancer cell detection

> Diabetic grading

Media & Entertainment

- > Image/Video classification
- Speech recognition
- Natural language processing > Drug discovery

- Video captioning
- Content based search
- > Real time translation
- Face recognition

Security & Defense

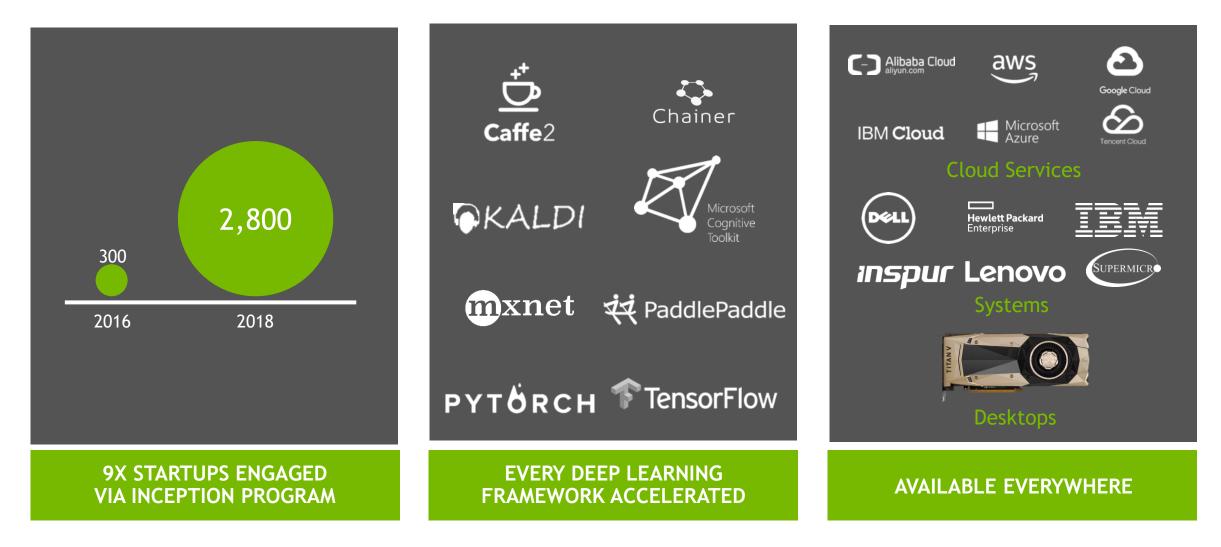
- > Video surveillance
- Cyber security

Pedestrian detection

Autonomous Machines

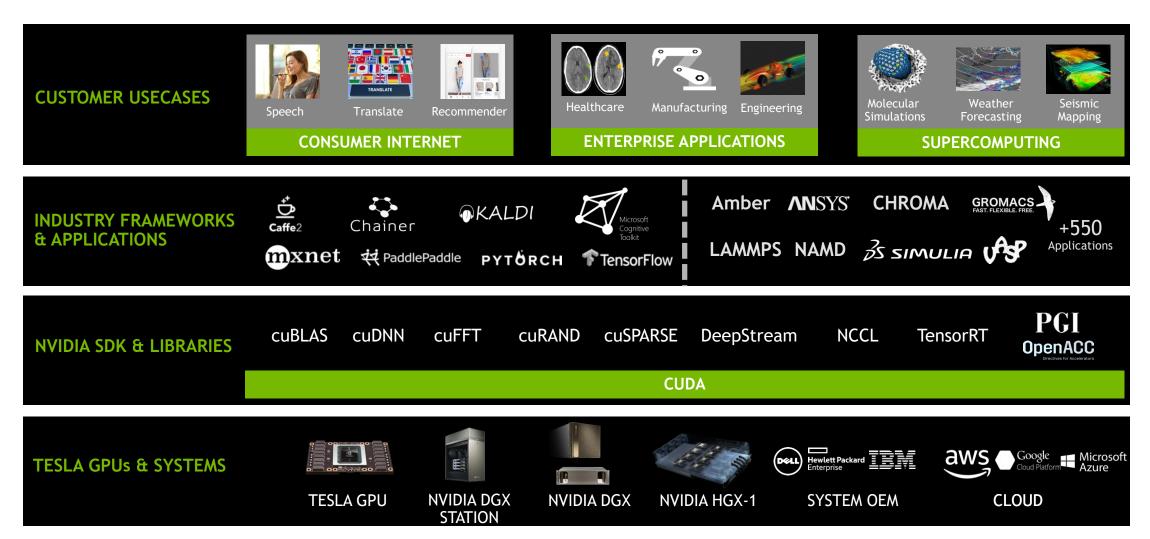
- Lane tracking
- Recognize traffic signs

MOST ADOPTED PLATFORM FOR ACCELERATING AI



TESLA STACK

World's Leading Data Center Platform for Accelerating HPC and AI



GRID VCPU FOR VIRTUALIZATION ENVIRONMENT



GPU VIRTUALIZATION FOR ANY WORKLOAD NVIDIA delivers GPU virtualization for both graphics and compute workloads



NVIDIA VIRTUAL GPU

Most Powerful Virtual Workstation

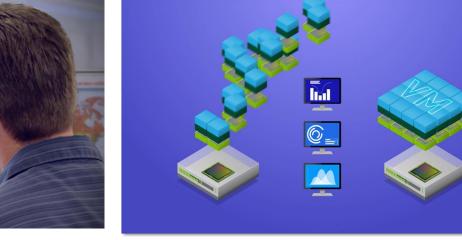
Best Virtual PC for Knowledge Workers Agile GPU Accelerated Data Center



Quadro vDWS on Tesla V100, the most advanced data center GPU

Expanded GRID vPC delivers more value to more enterprise users

Live Migration for the Mission Critical Data Center



SOLUTION FOR EVERY USE CASE

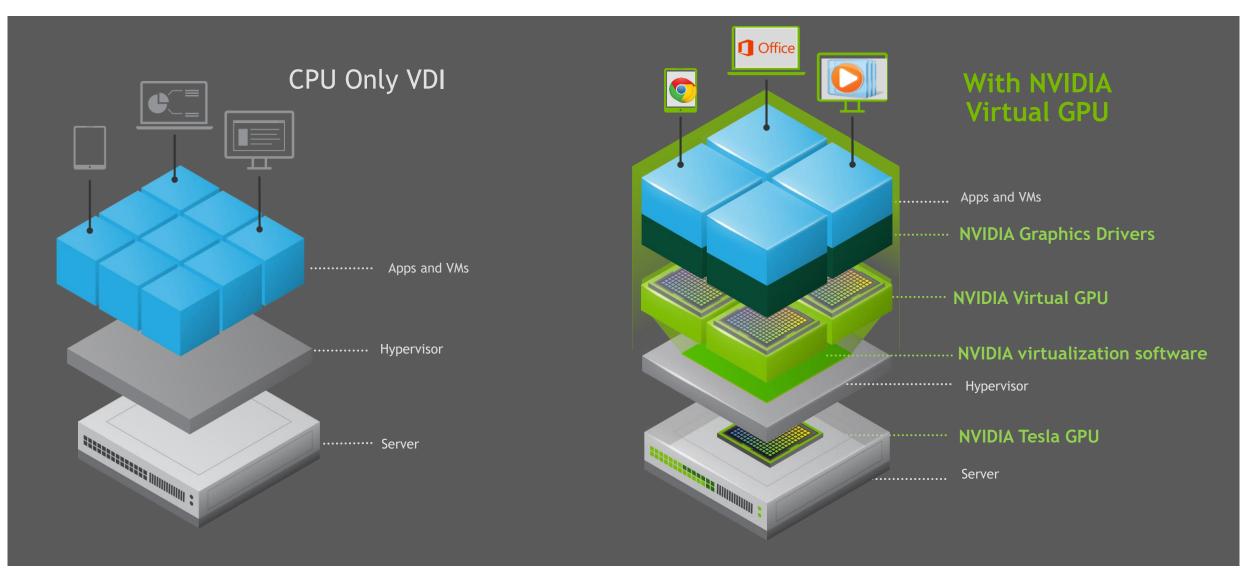


Performance

Scalability

HOW IT WORKS

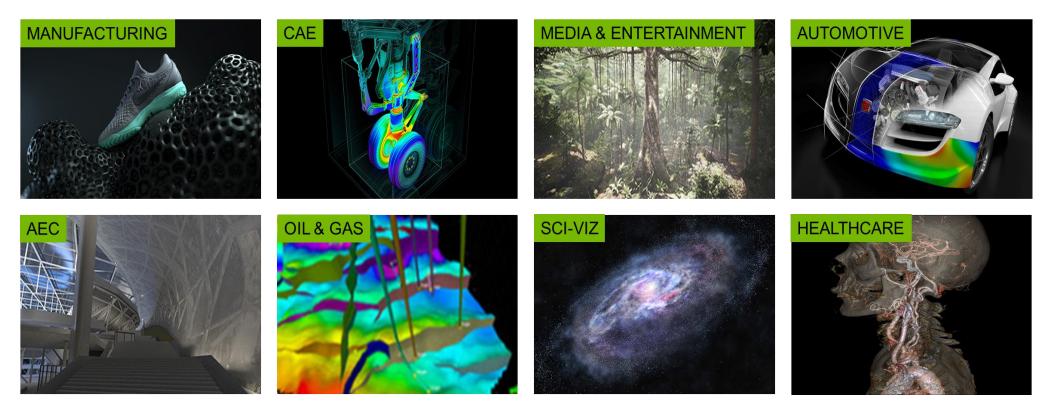
NVIDIA virtual GPU products deliver a GPU Experience to every Virtual Desktop



QUADRO FOR PROFESSIONAL VISUALIZATION

DEMAND FROM THE WORLD'S LARGEST INDUSTRIES

- Desire to work with full-fidelity models driving dramatic increase in data size
- Demand for photorealism throughout the design process for better insights
- Need for immersive environments for faster, higher-quality decision making
- Robust platform for rapid AI research, development & deployment

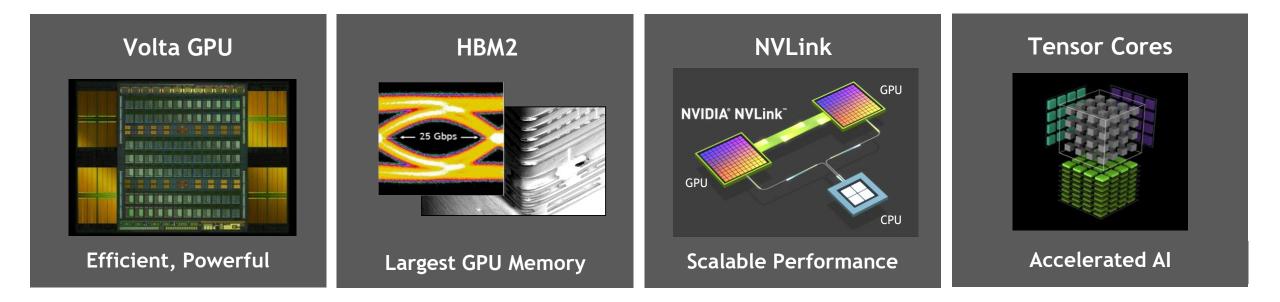


NVIDIA QUADRO GV100

- Delivers world's fastest real-time ray tracing on workstations for millions of artists & designers
- Opens new opportunities with accelerated AI for training and inference on workstations
- Accelerates CAE workloads for simulation analysts to bring optimal products to market faster



TECHNOLOGIES POWERING THE AI WORKSTATION

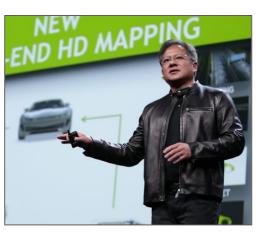


GPU TECHNOLOGY CONFERENCE

優惠代碼:GTCTWCHCH









2018年全球巡迴首站 – 台灣!

5月30、31日 探索各項人工智慧 與深度學習的頂級盛會



