

THE FUTURE OF

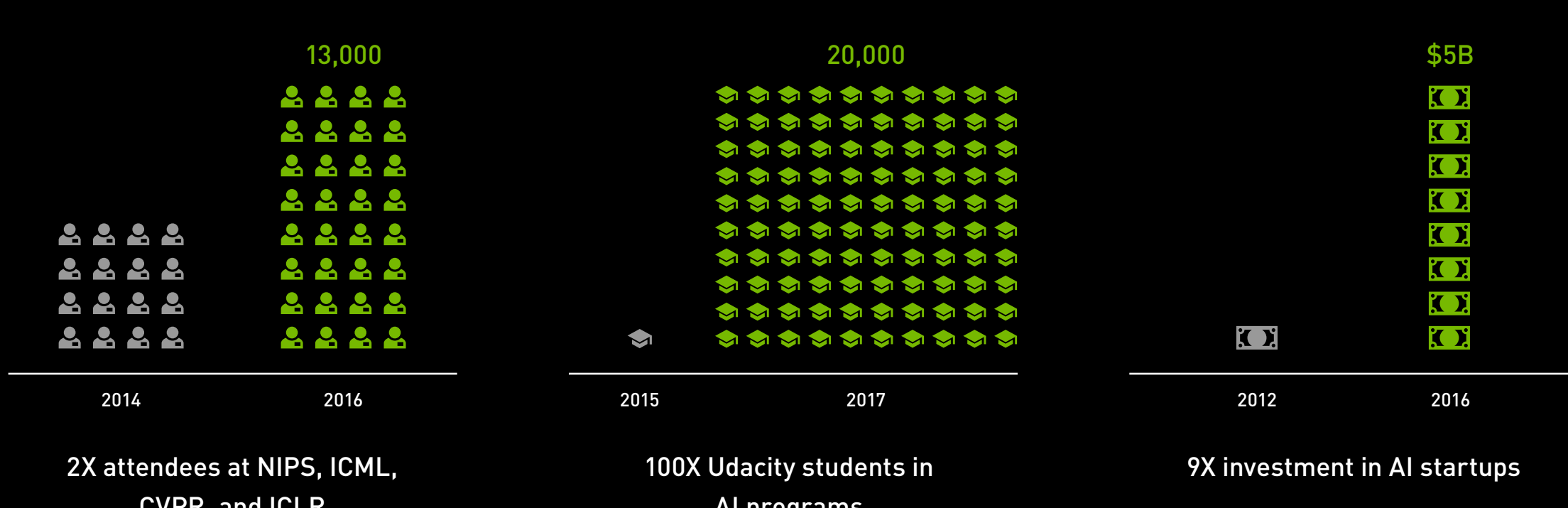
AI is Revolutionizing Every Industry

It's already revolutionizing the fields of supercomputing, healthcare, financial services, big data analytics, and gaming. That reach is about to take a massive leap forward.

The introduction of the NVIDIA Volta™ architecture to the world of AI is bringing humanity's moonshots within reach. Breakthroughs in eradicating cancer, more intelligent customer experiences, and the adoption of self-driving vehicles will be the milestones of our journey into this new era of AI.

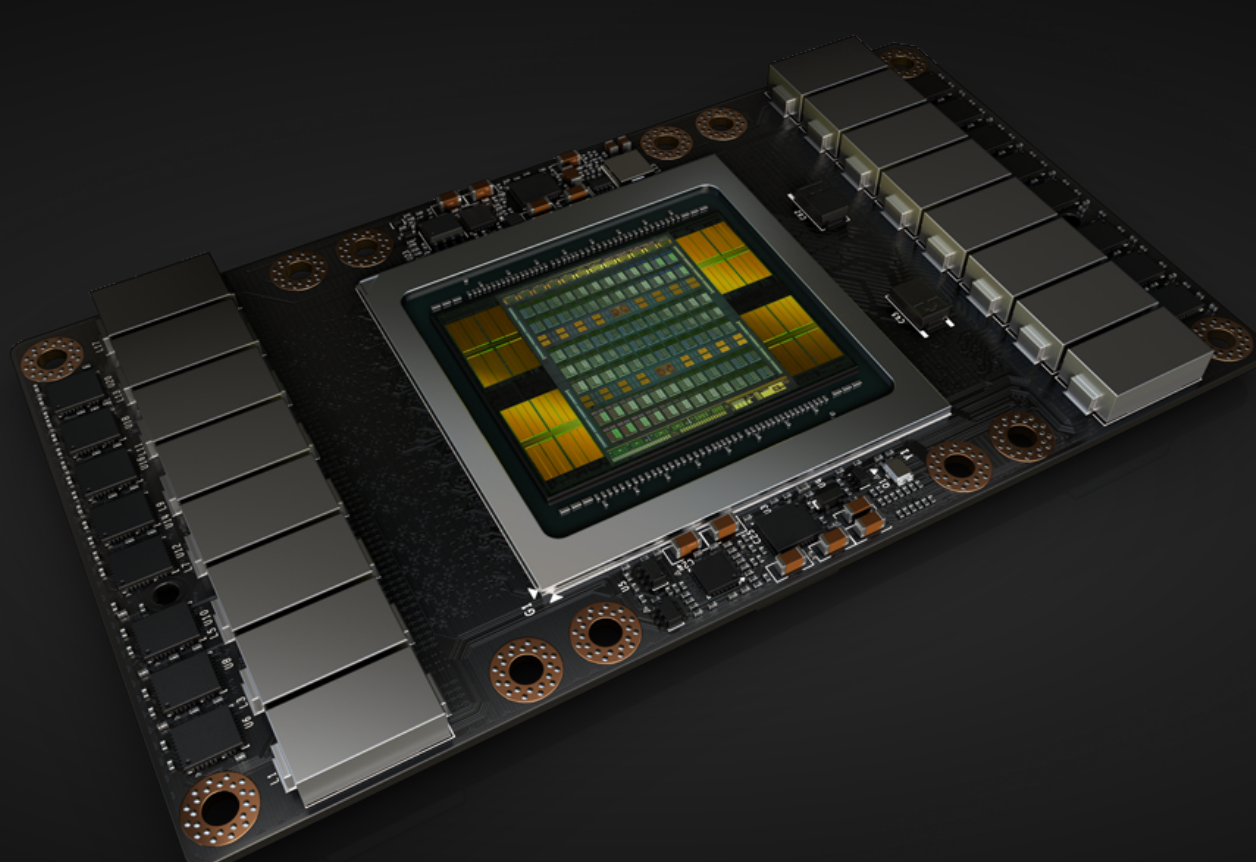
The Big Bang of Modern AI

Evidence of an exploding AI ecosystem is everywhere. From AI conference attendees to the number of students studying AI to a massive growth in investments.



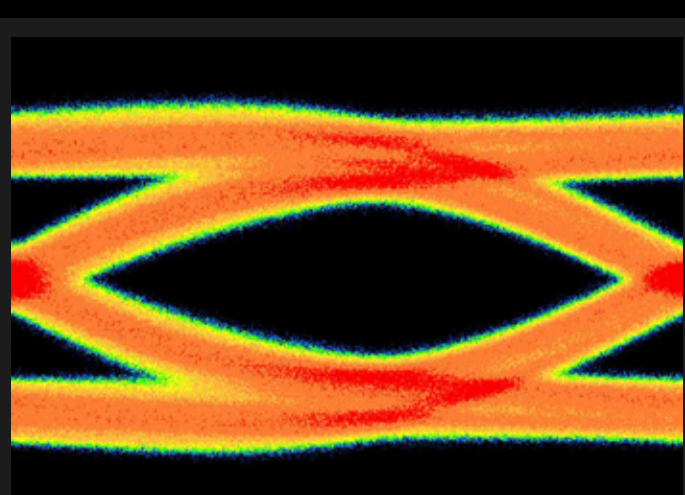
NVIDIA Volta

Designed to Bring AI to Every Industry



A Powerful GPU Architecture, Engineered for the Modern Computer

With over 21 billion transistors, Volta is the most powerful GPU architecture the world has ever seen. It's made for computational and data science, pairing NVIDIA® CUDA® and Tensor Cores to deliver the performance of an AI supercomputer in a single GPU.



NVIDIA NVLink

Scalability for Rapid Time-to-Solution

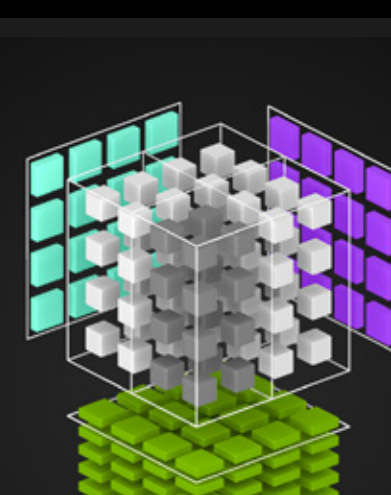
Volta takes advantage of the revolutionary NVIDIA NVLink™ interconnect technology to deliver faster results. Twice the throughput of the previous generation enables more advanced modeling and data-parallel approaches for strong scaling—and the absolute highest application performance.



Volta-Optimized Software

GPU-Accelerated Frameworks and Applications

Optimized NVIDIA CUDA®, cuDNN, and TensorRT software fuel the industry's most important frameworks and applications easily tap into the power of Volta. Data scientists and researchers no longer have to balance accuracy and run times, reaching discoveries faster than ever before.



Tensor Core

An Exponential Leap in Performance

Volta is equipped with Tensor Core technology to deliver over 100 Teraflops per second (TFLOPS) of deep learning performance. This is a 5X speed increase over the previous generation NVIDIA Pascal™ architecture and a massive leap forward—bringing AI to every industry.

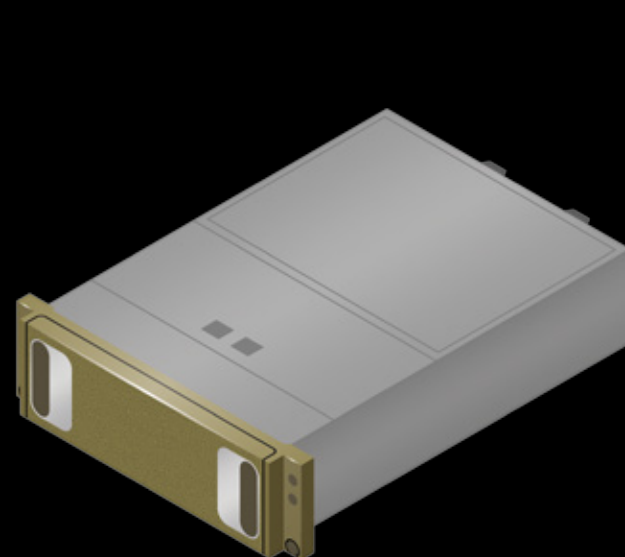
NVIDIA Volta Everywhere

Training and inference at your desk, in the data center and the cloud.



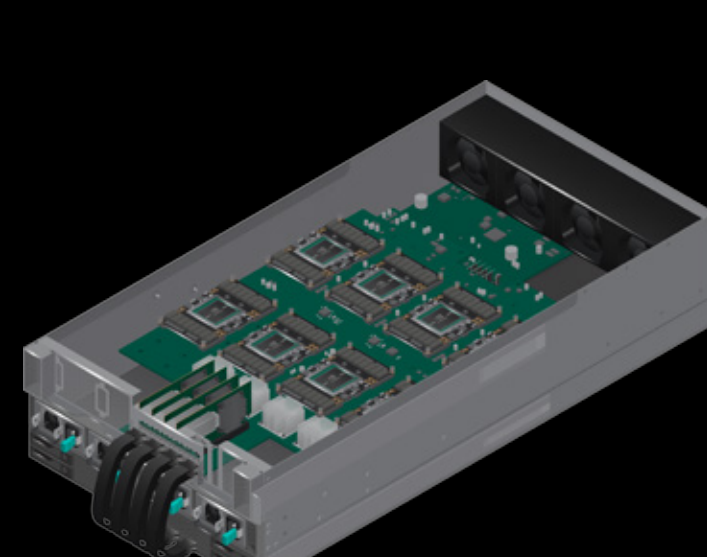
DGX Station™

Personal AI supercomputer



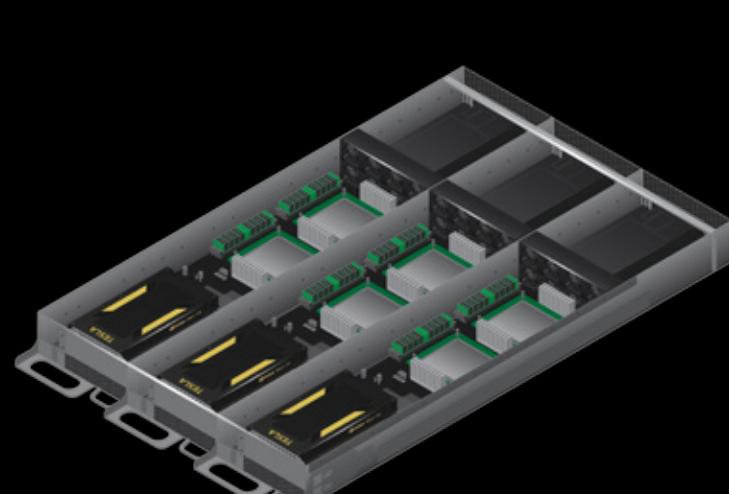
NVIDIA DGX-1™

Essential instrument of AI research



HGX-1

A new industry standard for AI cloud computing



CADnetwork

Groundbreaking AI systems across all platforms



Cloud

Deep learning everywhere, for everyone

NVIDIA Volta Architecture is Revolutionizing AI

www.nvidia.com/volta
www.cadnetwork.de/deep-learning