



Ready to Accelerate? Turn Your Data Center Into an AI Factory

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The Evolution of AI

"FIRST CONTACT"



2012 ALEXNET

PERCEPTION AI

SPEECH RECOGNITION
DEEP RECSYS
MEDICAL IMAGING

GENERATIVE AI

DIGITAL MARKETING
CONTENT CREATION



AGENTIC AI

CODING ASSISTANT
CUSTOMER SERVICE
PATIENT CARE

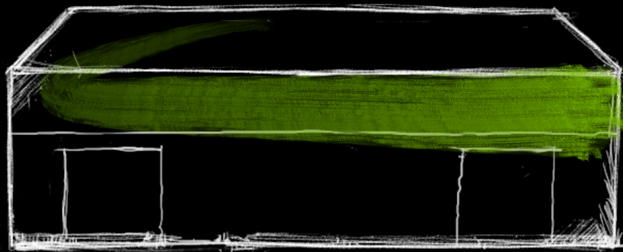


PHYSICAL AI

AUTONOMOUS VEHICLES
GENERAL ROBOTICS

A New Industrial Revolution | AI Factories Producing Intelligence

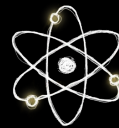
AI FACTORY



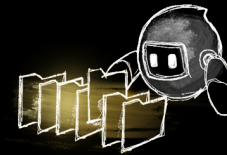
TOKENS
"UNITS OF INTELLIGENCE"

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→



SCIENCE



ENTERPRISE



HEALTHCARE

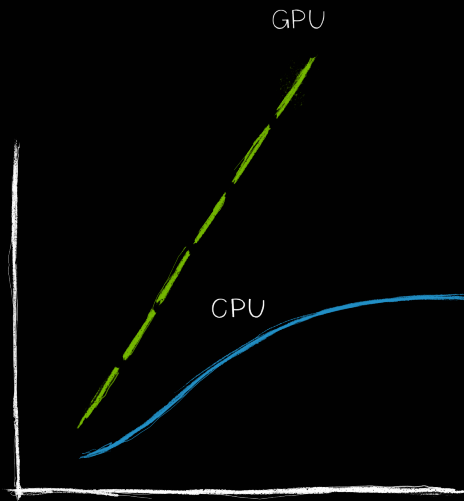


MANUFACTURING



...

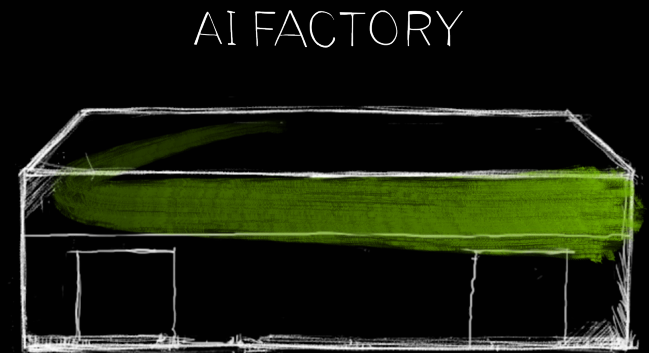
Three Trends in Enterprise Computing



Traditional → Accelerated



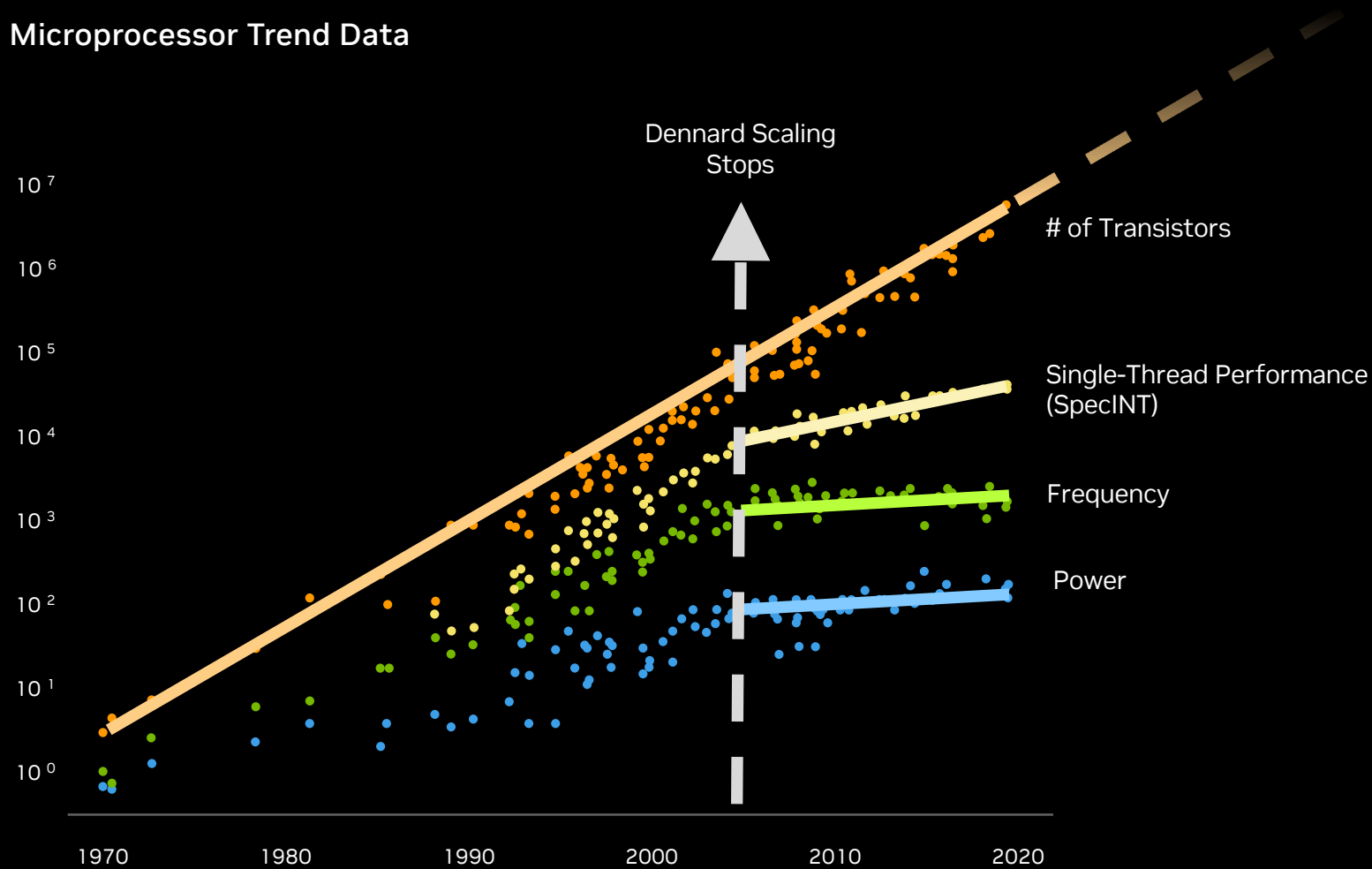
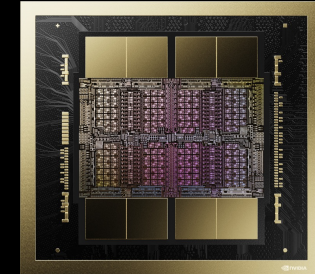
Agentic AI → Physical AI



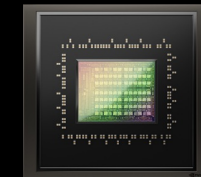
Data Centers → AI Factories

CPU General Purpose to GPU Accelerated Computing

Microprocessor Trend Data



GPU



CPU

AI – The New Industrial Revolution

APPLICATIONS

MODELS

INFRASTRUCTURE

GPUS

ENERGY



CHATBOTS



DIGITAL BIOLOGY



ROBOTAXI



ENTERPRISE
AI AGENTS



SCIENCE



ROBOTICS



MANUFACTURING



AI CODER

LLM

VLM

VLA

MMLLM

GPT

DM

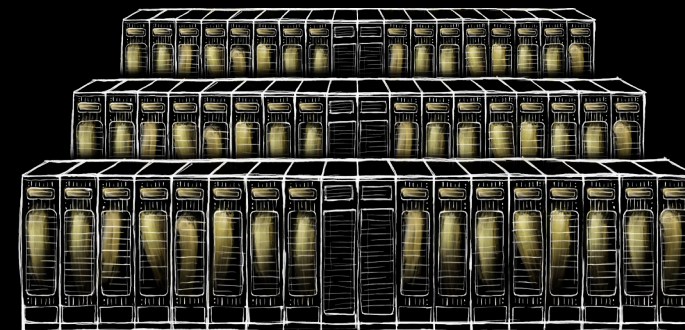
GNN

MOE

SSM

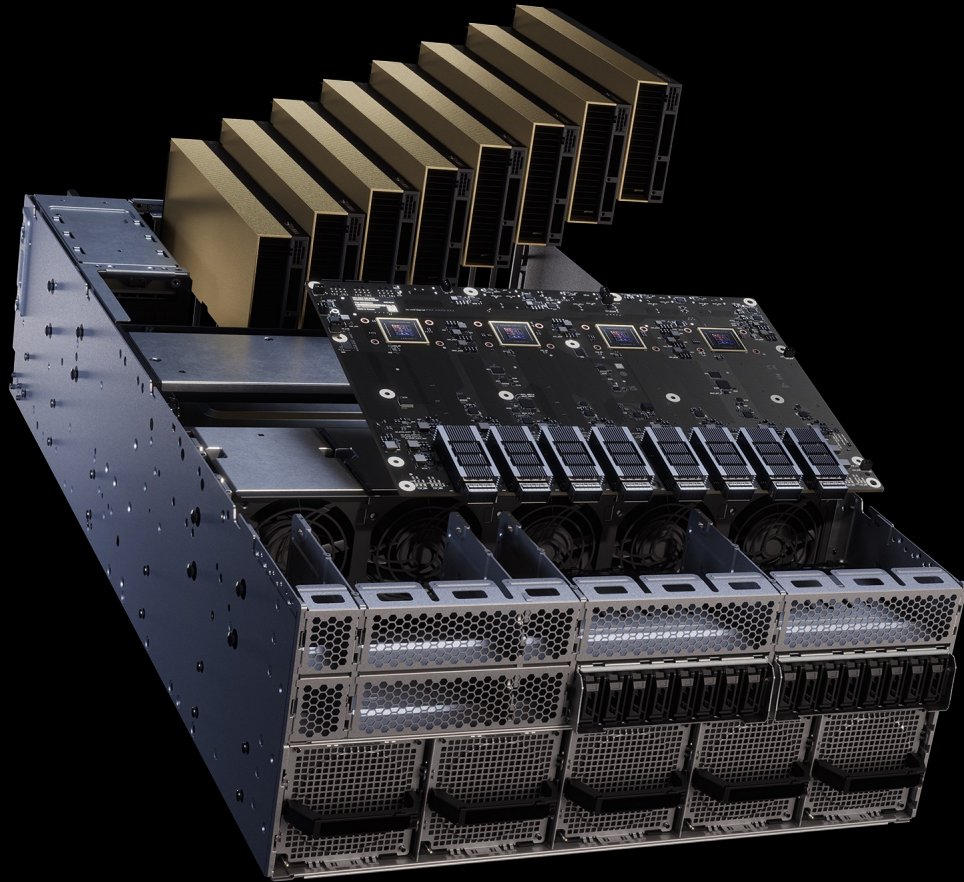
LBM

AI FACTORIES





NVIDIA RTX PRO Server



Enterprise AI Computing Platform

Designed for enterprise IT requirements

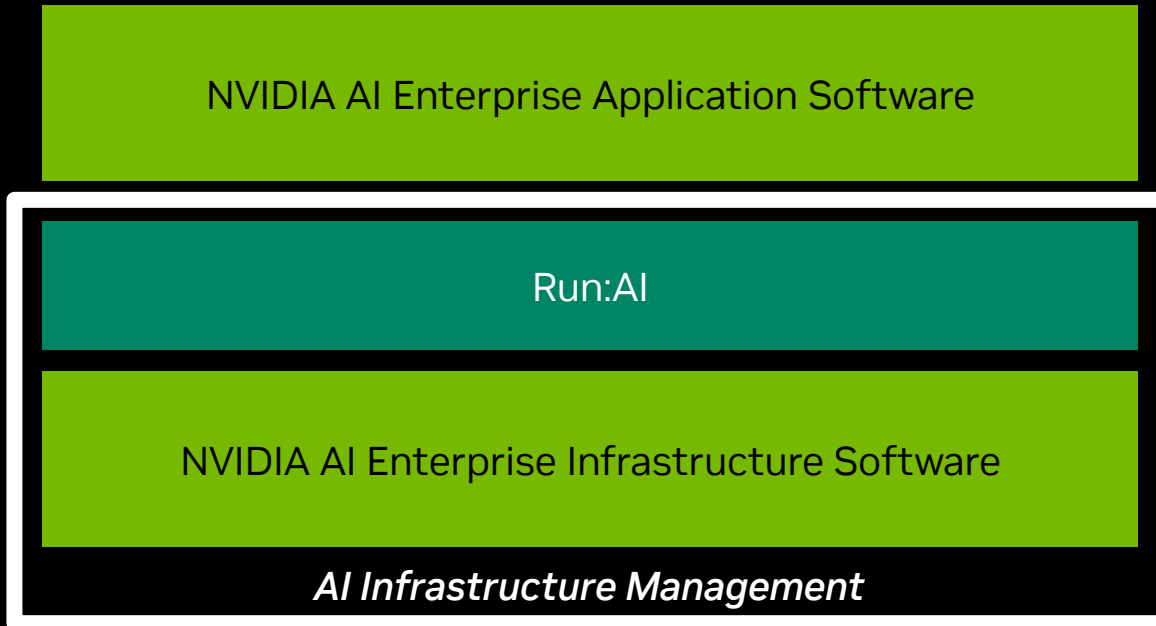
Ease of Orderability / Install / Deploy / Support

Air-Cooled / PCIe / x86 / 7kW per Node

Available Now

NVIDIA AI Software Portfolio

Comprehensive, modular platform for production AI



NVIDIA AI Enterprise Application Software

- Blueprints for reference workflows
- Optimized NIM and NeMo microservices
- SDKs, Frameworks, and libraries

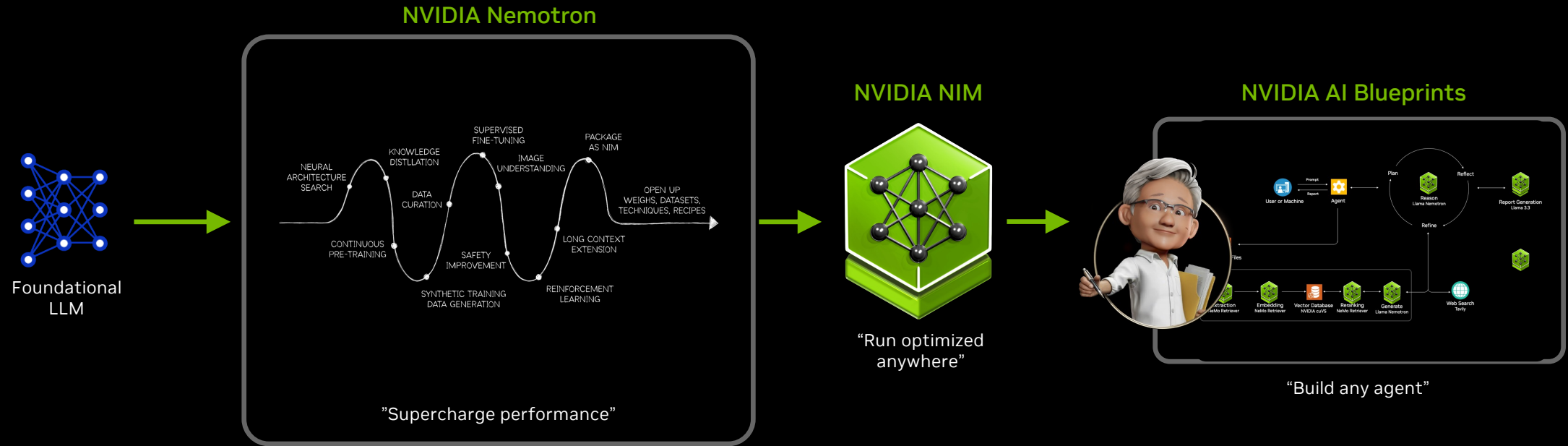
Run:ai

- AI Lifecycle Integration
- Resource Management
- Workload Orchestration

NVIDIA AI Enterprise Infrastructure Software

- Kubernetes operators
- Cluster Management software
- Drivers

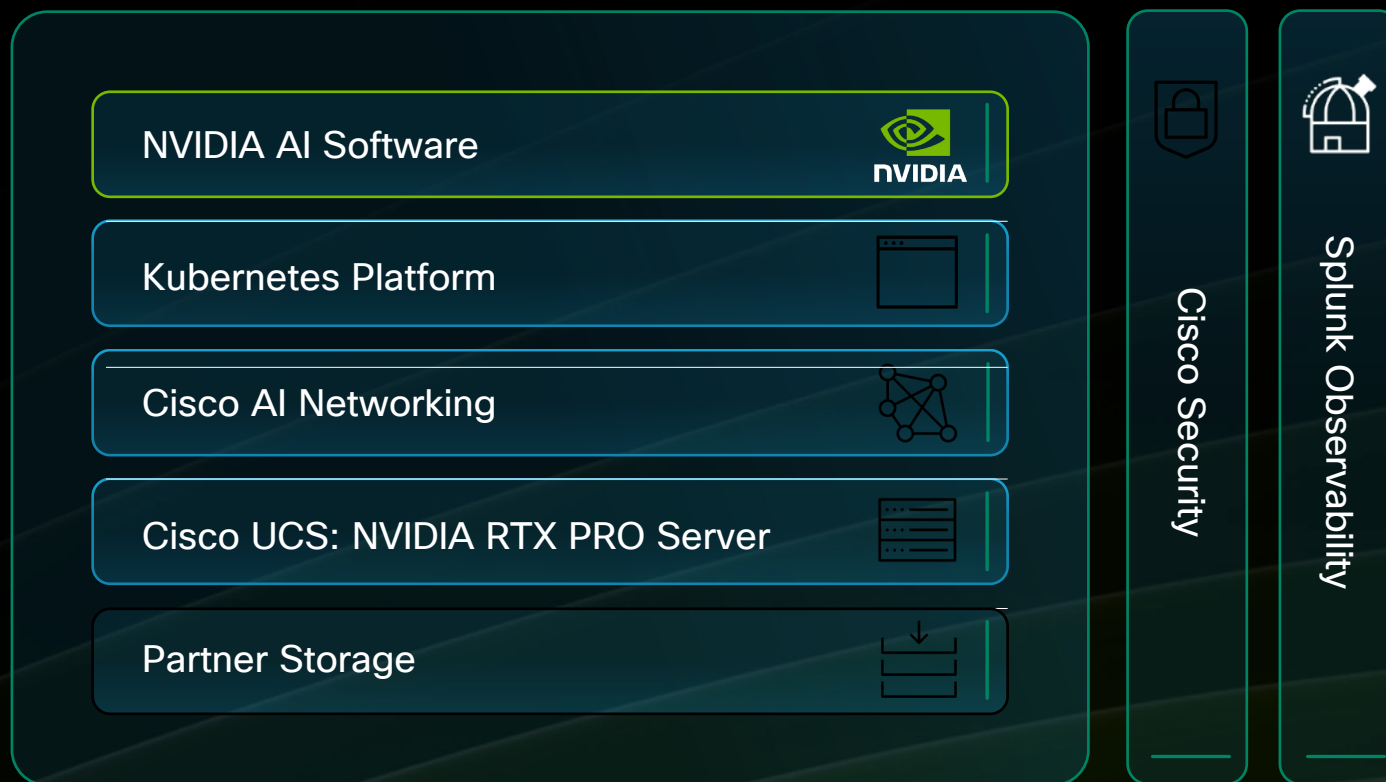
NVIDIA AI Software Building Blocks Supercharge Enterprise AI



<http://build.nvidia.com>



Cisco Secure AI Factory with NVIDIA



Key Takeaways

- **Develop an Accelerated Datacenter Strategy that optimizes for the availability of power and addresses the AI infused Agentic and/or Physical AI workloads of today and tomorrow**
- **AI Factories are the new backbone of computing. AI Factories generate tokens turning your datacenter into a productivity optimizer or revenue generator for your company**
- **Enterprises are adopting NVIDIA RTX PRO Servers to transition from general-purpose clusters to AI Factory infrastructure without a complete data center overhaul.**

