Hewlett Packard Enterprise

HPE purpose-built portfolio for HPC and AI

**Keith Bazarnick, Master Engineer
Americas HPC Competency Center**

HPE purpose-built portfolio for HPC and AI

HPC and AI Industry Solutions

| 🏛 Financial Services | 🏛 Academia, Research, Gov't | 💓 Life Sciences, Health | ✈ EDA / CAE Manufacturing | 🛢 Oil and Gas, Energy | 〰 Weather and Climate Research |

HPE POINTNEXT

Advisory, Professional and Operational Services – HPE Flexible Capacity for HPC, HPE Datacenter Care for Hyperscale

Supercomputing / Enterprise / Commercial HPC

HPE SGI 8600

Liquid cooled, delivering industry leading performance, density, & efficiency

HPE Apollo 6000

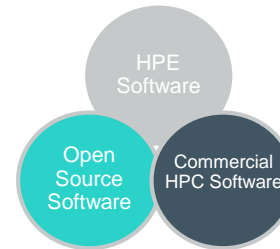Extreme Compute Performance in High Density

HPE Apollo 2000

The bridge to enterprise scale-out architecture

High Performance Computing Software Portfolio

HPE Software

Open Source Software

Commercial HPC Software

HPE Performance Software Suite

- HPE Insight Cluster Management Utility
- HPE SGI Management Suite
- HPE Performance Software – Message Passing Interface

HPC Purpose built

HPE Apollo 6500 Gen10

Purpose built scalable flexible manageable for ever changing workloads

HPE Apollo sx40

Early development platforms to ensure technology and production platforms address true need.

HPC Storage

HPE Apollo 4510

Additional Storage Options Available

HPC Data Management Framework Software

Large-scale, storage virtualization & tiered data management platform

HPC In-memory Compute

HPE Superdome X

Scale Up HPC

HPE MC990 X

Networking

Arista 7500E Series

Low latency, high bandwidth

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Apollo 6500 Gen10 System
Overview

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Deliver Automated Intelligence in Real-time for Deep Learning

Unprecedented performance and scale with HPE Apollo 6500 high density GPU solution

Use Cases

Automated Intelligence delivered by HPE Apollo 6500 and Deep Learning software solutions

Video, Image, Text, Audio, time series pattern recognition	Large, highly complex, unstructured simulation and modeling	Real-time, near real-time analytics

Faster Model training time, better fusion of data*

Customer benefits

HPE Apollo 6500 Gen10 is a highly modular Enterprise solution for HPC and Deep Learning providing **unprecedented performance with 8 GPUs, high bandwidth fabric and a three choices for GPU topology to match deep learning workloads**

- Up to 8 high powered GPUs per server, configurable PCIe system topologies, **and NVLink 2.0 in a hybrid cube mesh**
- Choice of high-speed, low latency fabrics with **4x** IO expansion
- Enterprise management- HPE iLO, HPE OneView

HPE Apollo 6500 Gen10 System: An elegant, powerful solution

The maximum performance and efficiency for GPU computing from HPE
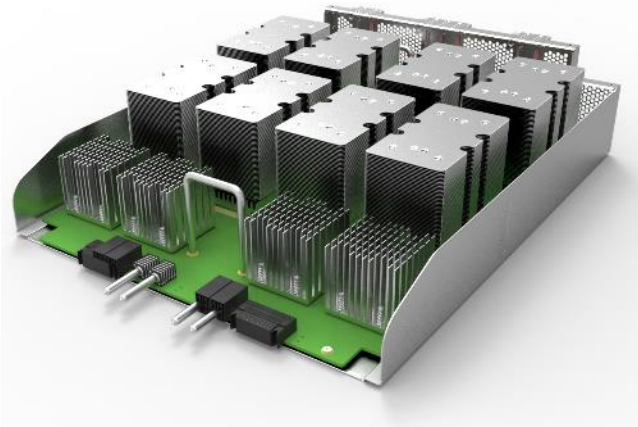

Maximum Power in an Enterprise Server
Traditional rack style server
Highly leveraged design based on DL380 Gen10
Integrated power supplies

NVLink 2.0 via SXM-2 GPU Module
Maximum GPU:GPU bandwidth for Deep Learning
Up to 8 HPE NVIDIA Tesla V100 for almost 1 PetaFlop HP

Traditional GPU support via PCIe Module
Supports your tested and qualified GPU
Configurable topologies

Hewlett Packard
Enterprise

Thank you