

INTRODUCING AZURE STACK HCI ON THE HPE APOLLO 4200

- Software Defined HCI for Windows ‘Big Data’
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– #HPEMSFT

AZURE STACK HCI ON APOLLO 4200 GEN10 – NEWS

Announcing latest HCI offering from HPE for Windows ‘Big data’

- New offering – HPE Azure Stack HCI on Apollo Storage
- Addresses the needs of an emerging ‘Big Data HCI’ category
- Orgs can now run demanding, data-centric workloads and get both high performance and availability, plus Windows HCI ease of use
- Built on **highest capacity 2U server** qualified for Azure Stack HCI – unmatched ability to serve big data workloads on Windows
- Completes the **industry’s broadest line of HCI related solutions** – Azure Stack HCI on ProLiant, HPE Simplivity, HPE dHCI, VMware vSAN on ProLiant... and now Azure Stack HCI on HPE Apollo



AZURE STACK HCI ON APOLLO 4200 GEN10 – WHAT IS IT

- Leading Scale/Throughput in Azure Stack HCI
 - 392 TBs in just 2U
 - 100Gb Ethernet/Infiniband
- Our largest customers already running Apollo for large scale, high density MS Exchange
- Gen10 system future-proofed with Intel Cascade lake processors, NVMe storage
- G500 track record
- Big data heritage



AZURE STACK HCI ON APOLLO 4200 – BENEFITS TO YOU

- Affordable simplified infrastructure with this latest innovation in software-defined HCI
- Easier adoption of new Big Data workloads with this simple yet high-performing infrastructure
- Reduced cost of IT through leveraging existing Microsoft licensing and Windows admin expertise
- Easier capacity planning with this ample data design
- Control space, power & admin cost with high density footprint
- Deployment & Configuration guidance through tech whitepapers and other published training
- Confidence in continued roadmap of platform innovation, Co-development

Azure Stack HCI



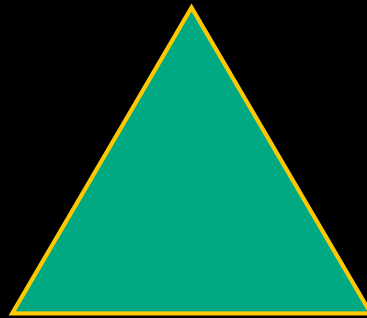
CHOOSING THE BEST HPE WINDOWS HCI OFFERING...



HPE ProLiant DL380
with Azure Stack HCI

Any enterprise Windows HCI
VM Vending, Azure public cloud integration

Agile Performance



HPE Simplivity

VM Vending
Multi-Site VM Hosting

Simplified
Operations

Data
Capacity



HPE Apollo 4200
with Azure Stack HCI

Capacity oriented HCI
Email, Analytics, Big Data



MICROSOFT AZURE STACK HCI

Carmen Crincoli

Senior Program Manager, Storage IHVs

Microsoft



AZURE STACK HCI ON APOLLO – SUMMARY

HCI FOR WINDOWS DATA-CENTRIC WORKLOADS

- Apollo 4200 Gen 10 available today
- Azure Stack HCI qualified for All-Flash and Hybrid SAS SSD, and NVMe
- Largest capacity 2U Azure Stack HCI appliance
- HPE Apollo HCI – go-to choice for Analytics & data-centric Windows workloads
- Easy to manage with native Microsoft Windows administration
- Related lab performance testing, tech whitepaper publications, WAC extension are on the way



LEARN MORE ABOUT HPE STORAGE AND MICROSOFT SOLUTIONS

- **On the web**

- [HPE Storage Solutions for Microsoft](#)
- [Microsoft Azure Stack & Azure Stack HCI](#)

- **Technical Whitepapers**

- [Deployment Considerations for Windows Server 2019 on Nimble Storage](#)
- [HPE Apollo 4200 Gen10 server with Microsoft Exchange 2019 – setup and configuration of MetaCacheDatabase](#)
- [Microsoft SQL Server 2019 on HPE Primera 600 storage](#)
- [Optimizing Microsoft SQL Server with HPE 3PAR storage & Memory-Driven Flash](#)

- **Webinars & Podcasts**

- [Spiceworks interview: Supercharge Microsoft SQL Server 2019 with HPE Storage](#)
- [Webinar: Data Center Transformation with HPE Microsoft Storage Solutions](#)
- [Podcast: Microsoft and HPE joint storage solutions](#)
- [CIO.com Webinar: Get more from your data with Microsoft on HPE Storage](#)
- [Webinar: Best Practices for Windows Server 2019 on Intelligent Infrastructure](#)

- **Blogs on the HPE Community**

- [“Deeper dive inside Exchange 2019 on HPE Apollo”](#)
- [“Cut SQL Server Latency in Half with Memory-Driven Flash Storage”](#)



QUESTIONS?

Thank you!



BACKUP SLIDES



WHAT IS “AZURE STACK HCI”



- Renamed “Windows Server Software-Defined” (WSSD) solution validation program to “Azure Stack HCI”
- Microsoft’s software-defined HCI solution that pairs Windows Server 2019, Hyper-V, Storage Spaces Direct and other features, Windows Admin Center management, with partner x86 hardware
- Use it to run Windows and Linux VMs on-premises and at the edge with existing IT skills and tools
- It can work with Azure and Azure Stack, but is distinctly separate (it’s Windows Server)
- Hybrid IT capabilities via Azure
 - Azure Site Recovery, Azure Monitor, Cloud Witness, Azure Backup, Azure Update Management, Azure Network Adapter, Azure Security Center



AZURE STACK HCI ON APOLLO 4200 – SOLUTION COMPONENTS

- **Apollo 4200 system**
 - Based on latest Cascade Lake generation systems
 - Qual just completed and will be getting added to the Azure Stack HCI catalog
- **Windows Server 2019**
 - Datacenter version (available via Enterprise or Open licensing)
 - Hyper-V
 - Storage Spaces Direct and other HCI and Azure-oriented features
- **Windows Admin Center**
 - Management through standard Windows 2019 dashboard
 - Storage extensions in the future
- **Technical Whitepapers**
 - Configuration Guides and performance whitepapers being planned
- **Sales tools & Collateral**
 - Customer deck, Solution brief

Azure Stack HCI



AZURE STACK HCI HARDWARE CATALOG

HPE has multiple validated solutions for Azure Stack HCI, including with NVMe, PMEM, flash, hybrid-flash and RDMA options (iWarp, RoCE)

Find at
Microsoft.com/HCI

Find Azure Stack HCI solutions from your preferred hardware vendor

All results

Showing 1 to 9 of 74 results

Refine results

- > Hardware partners
 - More
- Features
 - All-NVMe
 - 2-Node Optimized
 - All-Flash
 - Persistent Memory
 - Hybrid Storage
 - More
- RDMA support
 - iWarp
 - RoCE
 - iWarp+RoCE
- Regional availability
 - North America
 - Asia
 - Europe
 - Australia/Pacific
 - Middle East
 - More

ASUS RS520-E9-RS12-E

- Scale:
 - 2 to 4 nodes
- Single Node Data:
 - CPU: 6-26 cores (Intel)
 - RAM: 128GB to 2TB
 - Raw storage: 240GB to 16TB
 - Storage type: SSD + HDD
 - Network speed: Up to 25Gb
- Learn more >

Axellio FabricXpress All-NVMe

- Scale:
 - 4 to 16 nodes
- Single Node Data:
 - CPU: 20-44 cores (Intel)
 - RAM: 128GB to 1TB
 - Raw storage: 8TB to 250TB
 - Storage type: NVMe
 - Network speed: Up to 100Gb
- Learn more >

Axellio FabricXpress Converged Storage

- Scale:
 - 4 to 16 nodes
- Single Node Data:
 - CPU: 20-44 cores (Intel)
 - RAM: 128GB to 1TB
 - Raw storage: 8TB to 250TB
 - Storage type: NVMe
 - Network speed: Up to 100Gb
- Learn more >

bluechip SERVERline R72200i

- Scale:
 - 2 to 16 nodes
- Single Node Data:
 - CPU: 44-56 cores (Intel)
 - RAM: 768GB to 1.5TB

bluechip SERVERline R72201i

- Scale:
 - 2 to 16 nodes
- Single Node Data:
 - CPU: 28-56 cores (Intel)
 - RAM: 384GB to 1.5TB

bluechip SERVERline R72202i

- Scale:
 - 2 to 16 nodes
- Single Node Data:
 - CPU: 24-56 cores (Intel)
 - RAM: 384GB to 1.5TB