INTRODUCING AZURE STACK HCI ON THE HPE APOLLO 4200

- Software Defined HCI for Windows ‘Big Data’
- Mike Harding, Product Manager, Microsoft Storage Solutions, HPE
- Carmen Crincoli, Senior Program Manager, Storage IHVs, Microsoft

#HPEMSFT
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
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

Simplified Operations

Data Capacity

HPE Apollo 4200 with Azure Stack HCI
Capacity oriented HCI
Email, Analytics, Big Data

HPE Simplivity
VM Vending
Multi-Site VM Hosting
MICROSOFT AZURE STACK HCI

Carmen Crincoli
Senior Program Manager, Storage IHVs
Microsoft
• 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

- **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 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
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