# Journey to Hybrid Cloud Dataon with Azure Stack HCI

Enterprise Customers Making the Microsoft Choice

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# Microsoft Azure Hybrid Cloud Journey

Top 5 Discussion Topics with Education Customers

3-tiered SAN versus HCI

Scalability, Performance, Resiliency, Cost

Broadcom / VMware Acquisition

Support, Development, Migration, Price

Production Workload Migration

Downtime, Learning Curve, Transition Impact

Business Continuity Disaster Recovery (BCDR)

Azure Site Recovery (ASR), Azure Backup, Ransomware, Regulatory

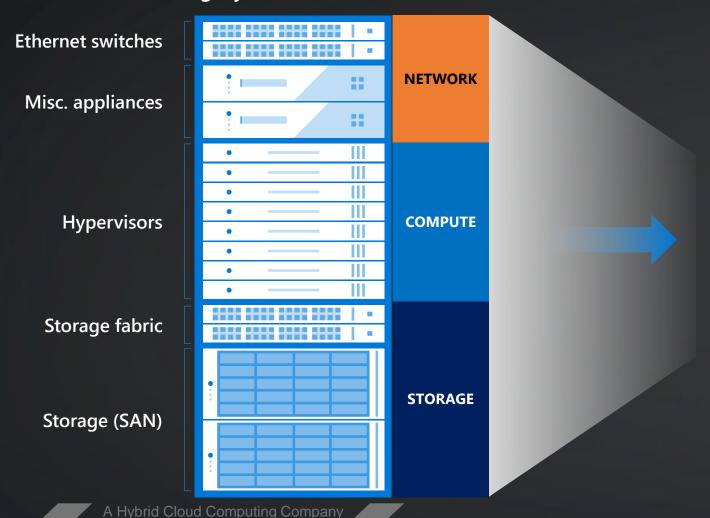
On-Premises versus
Cloud or Hybrid Cloud

Privacy, Latency, Management, Security

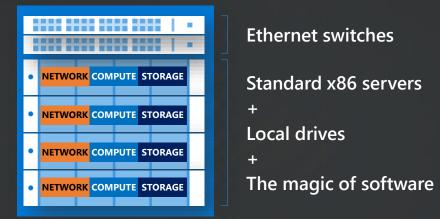


## Azure Arc-enabled Hyper-Converged Infrastructure

Legacy "three tier" infrastructure



## **Hyper-converged infrastructure (HCI)**

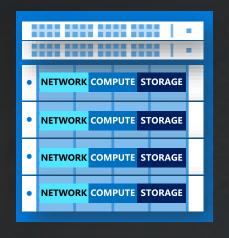


HCI is a software-defined, unified system that combines all the disparate and siloed elements of a traditional data center



## HCI: Proven, Popular Way to Enable Hybrid Cloud

## Hyper-converged infrastructure (HCI)







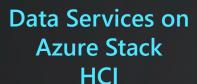
- Eases migration of data, VMs, and workloads
- Offers agility for digital transformation
- Software-defined HCl supports flexible deployment & unified management across on-premises & public cloud sites



## Azure Arc-enabled Hybrid Cloud Azure Stack HCI

Delivering integrated Azure hybrid services for IT workloads





Run Azure Arc for Data Services on a resilient platform





Azure Site Recovery, Backup, File Sync on Azure Stack HCI

Deliver Business Continuity with Hybrid Cloud BCDR



Azure Virtual
Desktop (AVD) on
Azure Stack HCI

Enable remote workforce with enterprise app and GPU



AKS applications on Azure Stack HCI

Develop in AKS but deploy unmodified to the edge, AI/ML workloads

Comprehensive security and compliance, built in

\$1B USD annual investment + 3,500 security experts + CJIS and more compliance certification



# DataON Background & Overview

Modernizing IT for over 1000 enterprise customers





Exclusive Microsoft Partner



Exclusive Server Hardware and Technology OEM



Management software for hybrid cloud computing



Azure Stack HCI Solutions

Azure Stack HCI Catalog >



On-premises, hybrid cloud and Azure Cloud Services



# DataON Enterprise Solutions & Services

Delivering a complete turnkey hybrid cloud computing experience



Hyper-convergence with Azure Stack HCI solutions



Business Continuity with backups and disaster recovery



Windows Admin
Center and DataON
MUST Software



Cloud Service
Provider (CSP) with
migration and support
services



# Exclusively Focused on Microsoft Solutions

DataON made the Microsoft choice









Made the "Microsoft choice" with the first certified platform on Microsoft Storage Spaces

Deployed more than 150PB on Microsoft S2D hyper-converged Infrastructure Over 1000+ customer, 1500+ Windows Server clusters and 50+ Azure Stack HCI solutions First Integrated
System with MUST Pro
and Azure services like
AI / ML, GPU, AVD,
Kubernetes



## Azure Stack HCI Momentum

## Enterprise customers making the Microsoft choice

#### State & Local Gov



## Retail & Consumer



### Education / K-20



#### **Financial Services**



#### Medical & Pharma



#### Federal / Non-Profit



## Manufacturing / Utilities



#### Software / Services



## Technology Innovation



## Cloud & Hosting







# Azure Stack HCI Portfolio

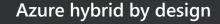
Consistently build & run hybrid apps across on-premises, cloud, & edge

## **Azure Stack HCI**

Modernize subscription for flexible, familiar hyper-converged infrastructure









Enterprise scale and price performance



Familiar management and operations



Choice of deployment options





# Azure Stack HCI Awards



"Microsoft's Azure Stack HCI solution proved to be both simple to deploy, easy to manage and exceptionally performant, all things you want"

> "the fastest we've seen in a mid-market 4-node HCI cluster"

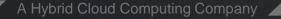


crn.com/techinnovators



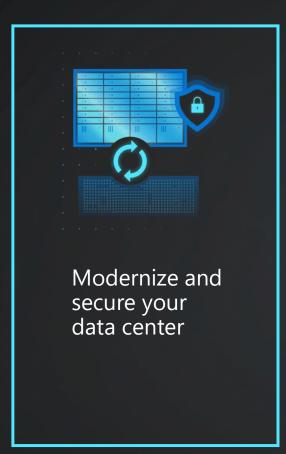
https://www.storagereview.com/review/dataonazs-6224-azure-stack-hci-review

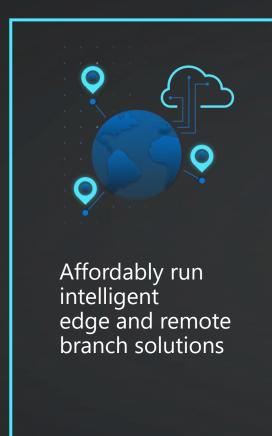




# Azure Stack HCI Usage Models

Run virtual machines on-premises and easily connect to Azure hybrid services











# Azure Stack HCI Hybrid Big Picture

## **Hybrid Services**



Site Recovery



Backup



Update Management



File Sync

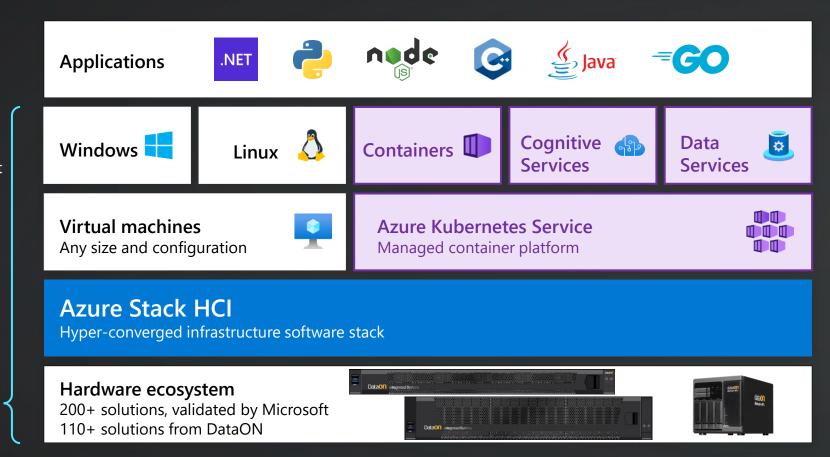


Monitor



Security Center





Azure Arc
For cloud management



Windows Admin Center Edge-local management

## Hybrid Cloud Services / Azure Arc

ASR/Azure backup	Azure Monitor
Log Analytics	Azure File / Sync
Policy / Insights	Multi-Cloud

## **Azure Benefits**

Free ESU for WS/SQL	WS22 Azure Edition
Policy Guest Config	Azure Arc-enabled
Policy / Insights	Multi-cluster

## Enterprise Hybrid Workloads

General purpose	SQL
AVD/VDI	Edge AI / ML
Container / AKS	Arc Managed



## In-box HCI capabilities

Nested Resiliency	Stretched Cluster
Dedup / Compress	Network ATC
HA for GPU	SDS/SDN/VMs

## Hardware innovation & performance

Intel 3 <sup>rd</sup> Gen Xeon	PCIe Gen 4 / DDR4
NVMe SSD (QLC)	RDMA 25/100GbE
GPU Acceleration	Secured-Core

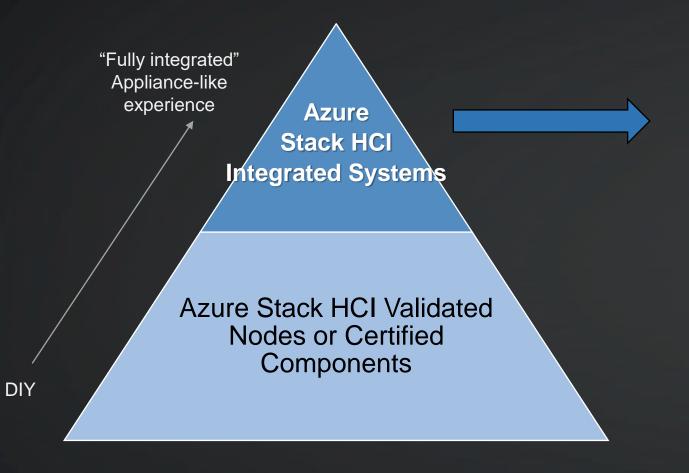
## Management, Support and Services

MUST/MUST Pro	DataON / Intel DCM
24x7x365 Support	MSFT case exchange
Deployment services	WAC



# Integrated Systems for Azure Stack HCI

Two Tiers of Azure Stack HCI



**Integrated Systems** 

## **Easy Procurement**

Distinctly orderable multi-node solution

AZS-6112, AZS-6212, AZS-6224

## Hassle-free Maintenance Full-stack, integrated setup & upgrade with integrated WAC plugins

DataON MUST, DataON MUST Pro

## **Highest Security**

Secure-core technology protecting against kernel firmware and other attacks

First with secured-core on Xeon 3<sup>rd</sup> Gen PCle4

## Simple to Deploy

Pre-installed bits from factory

DataON turnkey deployment
services

## **Highest Reliability**

Curated components continuously tested by both Microsoft & Partner DataON and Microsoft Validation Lab

## World-Class Support

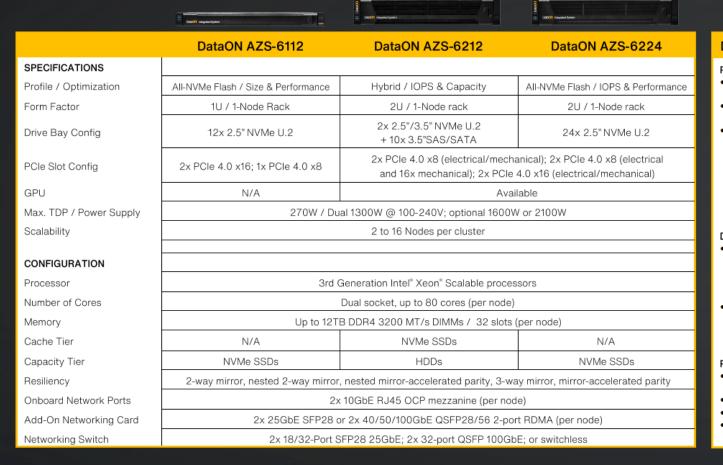
Joint support agreements with Microsoft and DataON

Single point of engagement



# DataON Integrated Systems for Azure Stack HCI

## Easy Procurement and Highest Reliability



DataON Integrated Systems include:				
Premium Deployment & Training Pre-deployment baseline testing, benchmarking, and stress testing Pre-installed Azure Stack HCI OS with the latest verified drivers and firmware Sixteen hours of customer deployment services* Pre-deployment site readiness review and implementation planning Setup Microsoft Azure subscription with DataON's cloud service provider (CSP) Remote deployment and training Project documentation and knowledge transfer	Included			
DataON MUST & MUST Pro for Windows Admin Center  MUST Pro* keeps your system updated via cluster aware updating so you always have the latest Microsoft-validated OS, drivers, firmware, BIOS, and BMC versions, with minimum disruptions to your system  MUST provides hardware disk mapping, alert services, real-time inventory scans, plus available call home service for drive replacements and predictive drive failures	Included			
Premium Warranty & Support  Three years standard, optional extension to five years  Next-business-day parts replacement  24x7 technical support for hardware and software  24x7 integrated joint support from DataON and	Included			

Microsoft using case exchange\*

# thank

Gracias	ευχαριστώ	Danke	Grazie	благодаря
Hvala	Obrigado	Kiitos	شكراً	Tak
Ahsante	Teşekkürler	متشكرم	Salamat Po	감사합니다
Cám ơn	شكريہ	Terima Kasih	Dank u Wel	Děkuji
நன்றி	Köszönöm	ありがとう ございます	ขอบคุณครับ	Dziękuję
谢谢	Tack	Mulţumesc	спасибо	Merci
תודה	多謝晒	дякую	Ďakujem	Ευχαριστώ

