

CANCOM

MICROSOFT AZURE STACK HCI

Operate your hybrid cloud seamlessly
with hyperconverged infrastructure (HCI)
Integration

Gold
Microsoft Partner



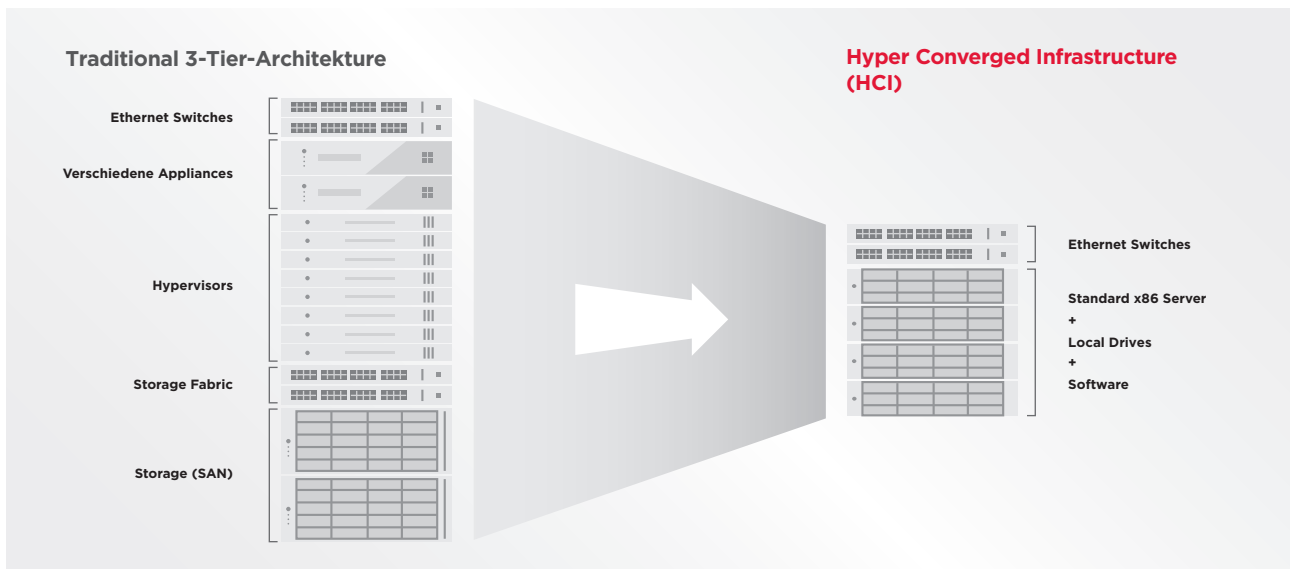
intel®

Hyper Converged Infrastructure

Especially in very complex, large environments, companies lack the required number of trained IT specialists to maintain lifecycle management with separate hardware and software management. HCI makes it possible to combine optimally tuned hardware with a hybrid cloud solution. This ensures a high level of automation and smooth operation in complex environments or cloud platforms.

What is HCI?

Hyper Converged Infrastructure (HCI) combines storage, networking and computing into a single system. This simplified solution replaces costly specialized hardware with x86 servers and software. This gives IT departments the flexibility, efficiency and performance they need to keep staffing and costs to a minimum.



"A switch makes particular sense for companies when modern applications are about to undergo infrastructure renewal - such as Kubernetes clusters, SAP HANA or VDI environments. With HCI, not only is the hardware and software brought up to date, but the complete operating model is modernized."

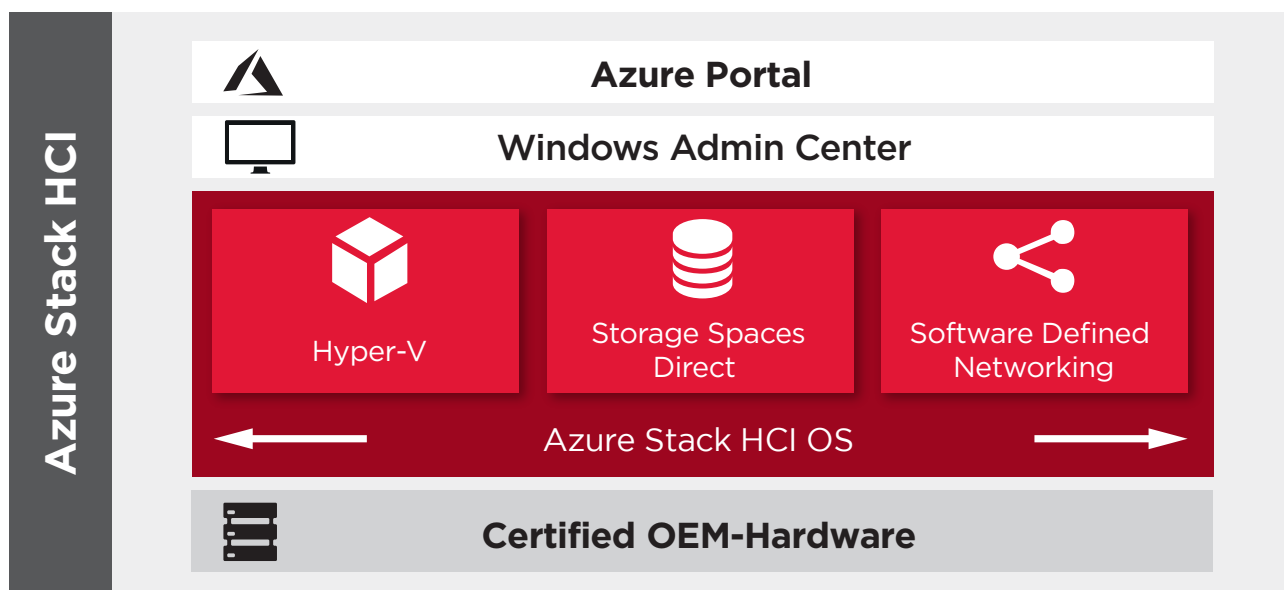
Matthias Barre, Senior Manager Solution Sales, CANCOM

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Microsoft Azure Stack HCI

Azure Stack HCI is a hyper-converged infrastructure host platform from Microsoft that is delivered as an Azure service and provides the latest security, performance, and feature updates via an Azure subscription, which now include Azure Arc support and new management scenarios in the Azure Portal. As a member of the Azure Stack family, Azure Stack HCI provides an excellent, affordable on-premises HCI solution, including a variety of deployment options and easy integration with cloud-based services in Microsoft Azure.



Components Microsoft Azure Stack HCI

Azure Stack HCI combines validated hardware from OEM partners with the Software-Defined Datacenter components and management tools.

SOFTWARE-DEFINDED DATACENTER COMPONENTS

- **Microsoft Hyper-V** to run virtual machines (VMs) on all physical hosts.
- **Software-Defined Networking (SDN)** (optional) for network virtualization.
- **Microsoft Storage Spaces Direct** for software-defined storage.

MANAGEMENT TOOLS

- **Windows Admin Center** for provisioning and centralized, comprehensive management of local and remote servers through a graphical interface.
- **PowerShell** for scripting and automation.
- **Azure Arc** and **Azure Integration** for more management options.

USE CASES

DATACENTER MODERNIZATION



Trusted Enterprise Virtualization

Azure Stack HCI meets Trusted Enterprise Virtualization requirements through its built-in support for virtualization-based security (VBS).



Azure Kubernetes Services (AKS)

Deploy and manage containerized application with Azure Kubernetes Services on Azure Stack HCI, increasing workload density and resource utilization efficiency.



High-Performance Microsoft SQL Server

Optimize SQL Server virtualization performance. Deploy and manage demanding SQL Server workloads running on hyper-converged infrastructure.



Virtual Desktop Infrastructure (VDI)

Deploy remote desktop services or equivalent third-party offerings as a virtual desktop broker. A centralized storage and security features, increase the protection of user data and minimize the risk of accidental or intentional data leakage.



Azure Services at your local datacenter

Azure Stack HCI enables you to leverage cloud and on-premises resource collaboration and native monitoring, protection, and backups in the cloud. Extend your data center to the cloud using Azure Backup, Azure Monitor, and Azure Security Center.



Remote offices, branch offices and edge

For branch offices or edge workloads, you can minimize infrastructure costs by deploying two-node clusters with low-cost witness options such as cloud tools or a USB drive-based file-sharing tool.

INTEL® SELECT SOLUTIONS FOR AZURE STACK HCI

Why Intel® Select Solutions for Azure Stack HCI?

Intel has defined Intel Select Solutions for Azure Stack HCI, including reference designs for an edge scenario. Intel Select Solutions are predefined and verified combinations of Intel® compute, memory, storage, and network products designed to support specific workloads in basic ("Base") and advanced ("Plus") configurations in different edge use cases.



END-TO-END SOLUTION WITH EASY MIGRATION PATH

- Solutions, reference architectures and POCs co-developed with a wide range of ecosystem partners
- Consistent infrastructure with ability to migrate VMs across five generations of CPU

Wide range of 3rd generation Intel® Xeon® Scalable processor SKUs to tailor cores and frequency to customer workload requirements

FAST DEPLOYMENT WITH OPTIMIZED AND CONFIGURABLE SOLUTIONS

- Co-engineering provides stronger solutions to better address the pain points of IT
- Intel-developed libraries and tools to optimize software performance

Intel® Ethernet 800 Series Network adapters offer 10 to 200GbE featuring iWARP and RoCEv2 providing low latency and enhanced throughput

OPTIMIZED PERFORMANCE & SECURITY

- Workload-optimized solutions with hardware-enhanced security technologies that help to detect malicious exploits and maintain workload integrity

Intel® Optane™ persistent memory provides hardware security migrations and automatic data encryption

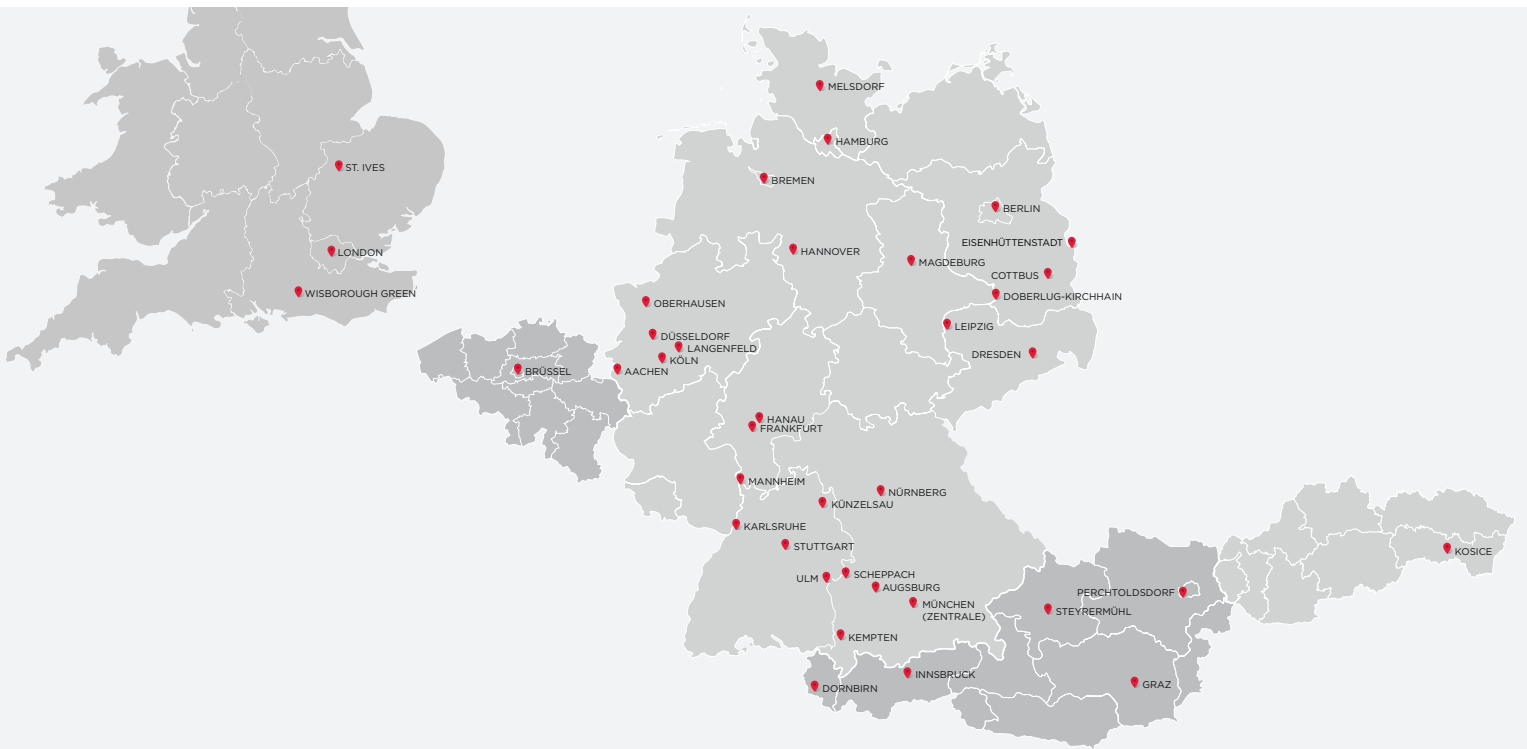
INDUSTRY-LEADING TRUST FROM INTEL

- Collaboration with ecosystem drives industry standards such as NVM Express, NVMWe-oF, FMTF Redfish/SNIA Swordfish and Confidential Computing Consortium

Created as an Intel® Select Solution for Microsoft Azure Stack HCI featuring 3rd generation Intel® Xeon® Scalable processors, this solution offers a verified hardware and software stack for the datacenter and the edge

As a Digital Transformation Partner, the internationally active CANCOM Group with its more than 4,000 employees at over 30 service and support locations worldwide accompanies companies on their way into the digital future.

CANCOM's range of IT solutions includes consulting, implementation, services, and the operation of IT systems.



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