

# Azure Stack HCI

Flexible hyper-converged infrastructure delivered as an Azure hybrid service

Azure Stack HCI is a hyper-converged infrastructure host platform from Microsoft delivered as an Azure service providing the latest security, performance, and feature updates which now includes Azure Arc enablement and new management scenarios through the Azure portal. Get robust host security with Secured-core server, improve performance for machine learning models with GPU enablement. Deploy Azure Stack HCI on your choice of server hardware and run Windows and Linux virtual machines in your data center or at the edge leveraging your existing tools, processes, and skillsets.

**Azure hybrid by design.** Extend your data center to the cloud and manage Azure Stack HCI hosts, VMs, and Azure resources side by side right from the Azure Portal. The new feature release offers the ability to monitor multiple clusters, manage extensions and Azure Policies, and use self-service VMs with every node now Azure Arc-enabled. Make your infrastructure hybrid by seamlessly connecting it to Azure services such as Azure Backup, Azure Security Center, and Azure Site Recovery. Leverage your Azure support plan and get unified Azure billing. All your learned Windows Server and Hyper-V skills can be used to accelerate time to value.

**Enterprise scale and great price performance.** Modernize your infrastructure of aging servers and storage. Consolidate virtualized workloads and gain cloud efficiencies on-premises. Azure Stack HCI offers software defined compute, storage, and networking on a broad range of form factors and brands. With the new feature update, get powerful host protection with Secured-core server, thin provisioning, and intent-driven networking. Optimize your costs based on your needs with a flexible USD \$10 per physical core per month subscription with Extended Security Updates (ESU) at no extra cost (For Windows Server and SQL Server). Achieve higher throughput with your demanding SQL Server workloads. Never lose your data with enterprise storage virtualization built in and disaster recovery through stretch clustering.

**Familiar management and operations.** Simplify your operations by leveraging an easy-to-manage solution that integrates with your environment and popular third-party solutions. With deployment GUI built in and the ability to leverage familiar Windows Server and Hyper-V skillsets, Azure Stack HCI is a great solution for IT Pros looking for the value of hyper-convergence. You will also benefit from automation since management tasks are completely scriptable using the popular, cross-platform Windows PowerShell framework.

**Deployment flexibility.** Select the deployment scenario that is best for your environment and choose from flexible hardware options. Choose solutions optimized for specific technical use cases, available on a broad and comprehensive portfolio of x86 servers and hardware add-ons. Manage your solution from Azure or use your preferred, familiar management tools and choose from a wide selection of utility software options within the enhanced ISV partner ecosystem.

## When to use Azure Stack HCI



Branch office and edge



Trusted enterprise virtualization



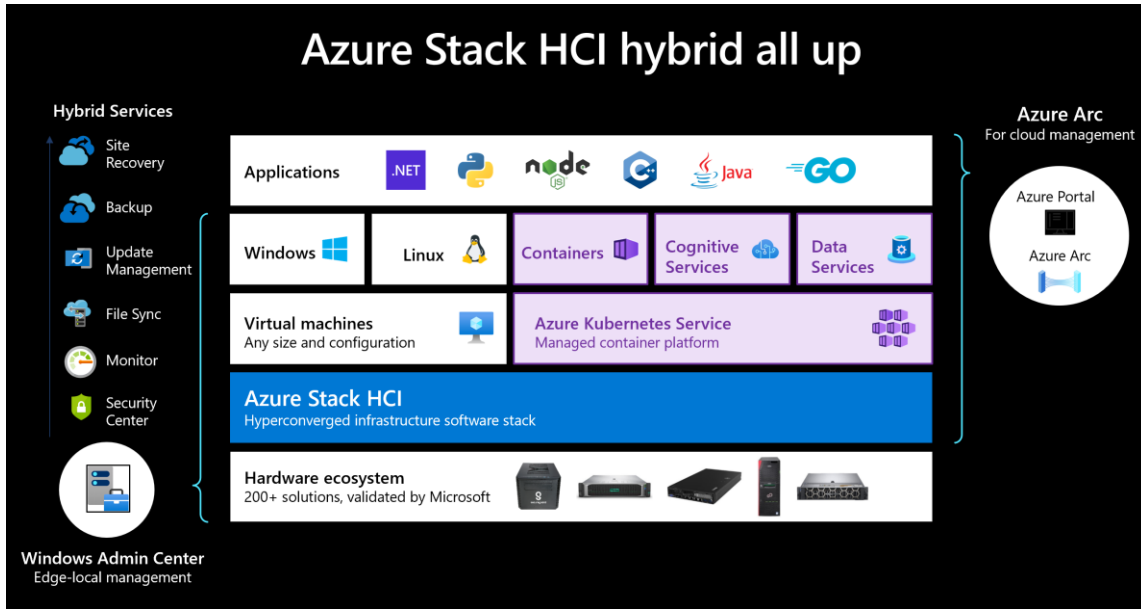
High-performance SQL Server



Virtual desktop infrastructure (AVD for HCI)

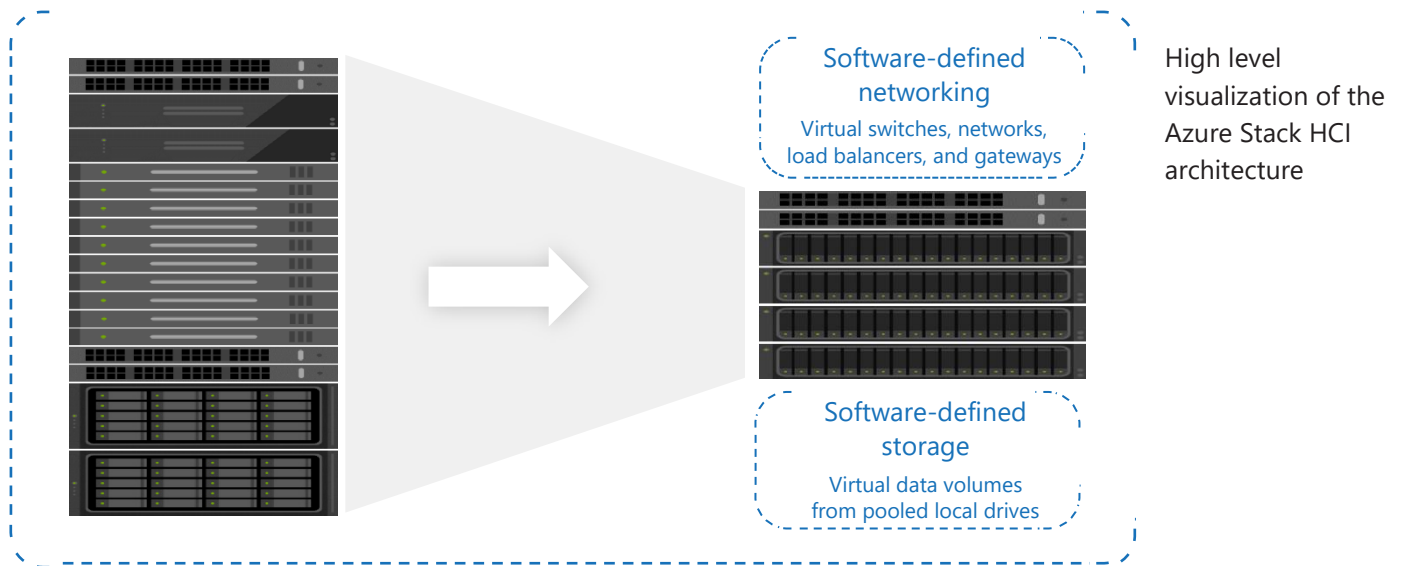


Tightly integrated Kubernetes



## Why Azure Stack HCI

Azure Stack HCI improves performance and simplifies operations by leveraging the cloud to manage your on-prem resources, reducing costs with an integrated Azure subscription and reducing hardware footprint. Software-defined networking and software-defined storage are some of the key enablers for this, as seen in the image below.



The world of IT is undergoing constant change. To remain competitive, service providers and enterprises must keep up with the ever-growing complexity and massive speed of innovation of hybrid cloud. Azure Stack HCI from Microsoft is the next level of innovation in HCI for hybrid environments. [Learn more about Azure Stack HCI today >](#)

Go to [dataonstorage.com](https://dataonstorage.com) to learn more about DataON solutions for Azure Stack HCI.