



Innovate anywhere with HPE and Microsoft Azure Stack HCI

HPE GreenLake for Microsoft Azure Stack HCI

Solution overview



Azure Stack HCI offers simplicity, flexibility, and scalability

- Host locally with the benefits of Azure and an up-to-date hyperconverged infrastructure (HCI), delivered as a service
- Simplify management and operate hybrid infrastructure seamlessly with Azure capabilities and integration tools
- Experience flexible deployment for your hybrid cloud needs with validated nodes from Hewlett Packard Enterprise, and now, the integrated system available with the HPE GreenLake edge-to-cloud platform
- Reduce data center complexity and total cost through HCI technology and HPE GreenLake
- Get started with a workshop and a 2-node starting point

The next wave of digital transformation will be fueled by apps and data everywhere from the edge to the cloud.

Accelerate business growth anywhere and everywhere, thanks to innovation in [containers](#), edge computing, and the shift to everything as a service. HPE GreenLake for Microsoft Azure Stack HCI provides the simplicity, agility, and economics that you expect from Microsoft Azure, as well as the security and performance benefits of on-premises IT. Determine your right mix of hybrid cloud and workload placement without an either/or choice.

[HPE GreenLake](#) brings the cloud experience—self-serve, pay-per-use,¹ scale up and down, and managed for you by HPE and our partners—to apps and data everywhere, in edges, colocations, and data centers. This enables you to free up capital, boost operational and financial flexibility and free up talent to accelerate what's next for you. With HPE GreenLake, customers get cloud services that are production ready, elastic, and for any scale—with a simple experience delivered to customer locations.

The solution comes with tailored services to design, implement, and support your cloud environment—taking away the heavy lifting, so you can focus on strategic IT and business priorities.

Hybrid cloud, simplified

With HPE GreenLake for Microsoft Azure Stack HCI, you gain a cloud service that delivers:

- A complete solution including scalable hyperconverged infrastructure, software, and services
- Faster time to value with hybrid-by-design preconfigured HCI on industry-leading HPE systems
- Simplified IT implementation, support, and monitoring; with operations and administrative options
- Convenient pay-per-use billing that includes hardware, software, and services that can include Azure Stack services in a single bill with HPE as your Cloud Solution Provider (CSP)

Use HPE GreenLake for Microsoft Azure Stack HCI to modernize your IT, upgrade from older Windows Server platforms, support large-scale virtual desktop implementations, optimize the performance of virtualizing SQL Server, and deploy a tightly integrated Kubernetes-enabled platform on your hyperconverged infrastructure.

¹ Reserve may apply.



Pay for only what's used

To reduce waste and control spending, you pay for only what you use—with full visibility of your actual metered usage. With the HPE GreenLake platform, you will leverage pay-per-use billing for your complete Azure Stack HCI solution, including hardware, software, and services.² Variable billing offers clear insight into actual costs and drives better IT planning and management decision-making.

“By 2024, over 75% of infrastructure in edge locations will be consumed/operated via an as-a-service model, as will more than half of data center infrastructure.”

– IDC FutureScape: Worldwide Datacenter 2020 Predictions

Cloud modules

The sheer complexity of operating cloud services demands a set of skills for both building and operating a secure, scalable, and compliant hybrid cloud. HPE GreenLake for Microsoft Azure Stack HCI uses cloud modules—cloud-native infrastructure purpose-built to help customers meet these requirements.

- **Flexible adaptability:** Deploy or expand cloud services capacity, run multiple workloads when and where needed, and quickly adapt as requirements change
- **Validated catalogs:** Select and deploy workloads from HPE-validated catalogs and optimized blueprints to maximize workload performance
- **Secure cloud-native operations:** Project Aurora security continuously validates and protects critical components from the supply chain up through the infrastructure, software platforms, and workloads
- **Simplified CloudOps:** Includes autonomous lifecycle management—from firmware updating to software updates

Key benefits

Consider these essential reasons for achieving faster time to value with the HPE GreenLake platform:

Pay per use

- Solution includes hardware, software, and services
- Instant scalability with an on-site buffer of capacity and capacity management to stay ahead of demand
- Financial flexibility and cost control for better business outcomes

Simplified IT

- Tailored services for monitoring with optional support for maintenance and optimization
- Single vendor support for Azure Stack HCI and certain Microsoft Azure services, with HPE as your Azure CSP
- Workload portability with Azure-consistent services

Proper control

- On-premises help to address data sovereignty and compliance requirements
- Usage metering with analytics to accurately manage usage and predict capacity needs
- 24x7 remote monitoring and active capacity management

Simplify IT operations across your data centers and clouds

HPE GreenLake Central offers a unified, automated experience through one hybrid management platform, so you can securely access diverse tools, platforms, processes, and skills needed to operate in a multi-cloud world. You can focus on delivering business outcomes while we take care of the rest.

² Terms and conditions apply. Certain types of project work may be charged at a fixed rate across the duration of the agreement.



Managing Microsoft Azure Stack HCI

HPE can manage the entire stack from infrastructure to platform to workloads. This enables you to focus on strategic initiatives by offloading routine infrastructure tasks to HPE experts. Using the practices and tools implemented under the HPE process, HPE provides expertise to run, scale, optimize, and support your HCI production applications in the cloud.

Options enable you to focus on strategic initiatives by offloading routine infrastructure tasks to HPE experts and simplifying complexity. Flexible service options include:

- HPE managed infrastructure, customer-managed platform, and workloads
- HPE managed infrastructure, platform, and customer-managed workloads
- HPE management of the entire stack from infrastructure to platform to workloads

Manage any of Azure Stack HCI technologies directly, using familiar tools such as Hyper-V, Storage Spaces Direct, Software Defined Networking, and Failover Clustering. Identify problems for immediate action with Windows Admin Center, System Center Virtual Machine Management (SCVMM), PowerShell, and more.

Optimize your workloads by decreasing data center complexity and increasing scalability. The system is easily managed in Azure Portal and with familiar edge-local tools, giving you the freedom to choose and customize hardware with full administrator control.

HPE GreenLake cloud services are tailored to meet the needs of your industry, keeping in mind that each industry has different regulatory, business, and technical requirements. HPE brings you the specific relationships, expertise, and workload-optimized technologies built during our decades of work in data centers globally.

Start your hybrid journey with HPE to strategize, assess, and design an HCI solution for your needs, ranging from installation and startup to more advanced deployments and integrations, optimized for your workload and approach.

Learn how to implement a Microsoft Azure Stack HCI hybrid cloud approach that's best suited for your organization at an HPE Cloud Adoption Workshop.

Learn more at

hpe.com/us/en/alliance/microsoft/azurestackhci.html

hpe.com/greenlake

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