Carbonite™ Migrate for Microsoft Azure Stack HCI

Deliver Microsoft services in your datacenter with Carbonite Migrate

Enterprise customers running mission critical on-premises workloads need a flexible and reliable solution to deliver Microsoft Azure services in their datacenter. With one tool, you can consolidate, upgrade, and migrate challenging workloads to Microsoft Azure Stack HCI and begin using cloud services.

Solution

Modernizing your environment to Microsoft Azure Stack HCI provides many benefits: decrease datacenter complexity, increase scalability, lower costs, improve performance and availability, and simplify operations. To realize these benefits, organizations must first migrate their existing workloads to Azure Stack HCI. However, the risk and downtime associated with server migration has prevented many organizations from making the move. While the risks of moving workloads weigh on the minds of IT leaders, easy migrations can allay those concerns.

The power of Carbonite Migrate

Carbonite Migrate quickly and easily migrates physical, virtual and cloud workloads to Azure Stack HCI with minimal risk and near-zero downtime. The streamlined process automates and consolidates numerous manual steps, which are prone to human error, into just a few simple tasks, reducing the amount of work you need to do to reach your migration goals.

Seamlessly migrate your data and workloads to Azure Stack HCI

The simplicity and repeatability of Migrate enables IT to transition to Azure Stack HCI without impacting system availability and utilize its benefits sooner.

Migrate includes:

- Central console to replicate, monitor and manage all activities

- Point-to-Point agent-based replication service which eliminates costly added infrastructure

- Easily identify source servers and choose a Full Server, File or Folder migration set.

- Automated and orchestrated workflows with predictable cutover in minutes

- Auto-provisioning of the target Windows servers

- Migration from any mixture of physical, virtual and cloud-based platforms to Azure Stack HCI

- Data security with AES 256-bit encryption

Benefits

- Complete more projects faster with optimal resource usage and minimized expenses

- Eliminate expense of configuration servers, replication servers, and additional bandwidth

- Increase customer satisfaction and reduce cost overruns as projects are completed in less time and within service levels

- Reduce risks and improve predictability with automated and orchestrated workflows

- Minimize application and end-user downtime as applications are available during the migration

- Improve IT efficiency with a single tool to support any-to-any source and target environments

- Scalable solution, from a single server to thousands of servers

- Optimize network utilization by scheduling bandwidth usage

- Easy, non-disruptive testing

- Access to 24X7X365 support for an extra set of eyes or answering any questions

How Migrate removes the risk of data migrations

Carbonite Migrate eliminates the business disruption and minimizes downtime using a point-to-point, byte-level replication engine to support your hybrid cloud journey. Carbonite mirrors data between the source and target, and continuously replicates all changes as they occur. All files that are new, changed, or deleted are kept in sync, as well as permissions, attributes, ACLs, SIDs, registry entries, IP address, host name and system state.

With continuous replication, IT can test with an up-to-date copy of production data, provide a predictable cutover window that takes just minutes, and be confident with source recovery capabilities.

Streamed replication from anywhere to anywhere

Migrate replicates the source system to the Azure Stack HCI, using AES 256-bit encryption to ensure security. Our replication maximizes bandwidth efficiency, sending only changed data, incorporating multiple levels of compression, and enabling bandwidth throttling. End users can continue working on the source system until the final cutover.
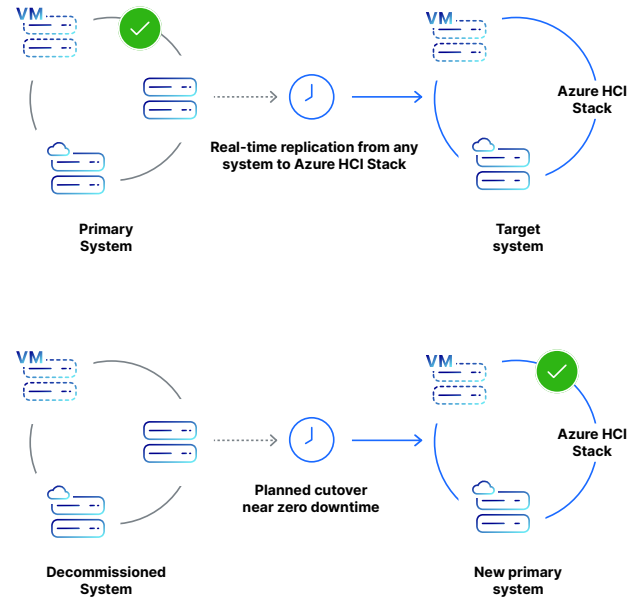
The target server can be validated, and cutovers can be tested anytime without disrupting production systems and business operations.

Cutover to your new system in minutes

Cutover automation is available and cutover downtime is limited to minutes. If reverting to the original system becomes necessary, the execution is straightforward. The process is repeatable and predictable whether managed through the unified console, automated through PowerShell scripting or REST API, or integrated with third-party tools.

Carbonite Migrate helps businesses move their production server workloads to Azure Stack HCI with minimal risk, near-zero downtime and faster time to value.

Carbonite Migrate for Microsoft Azure Stack HCI Deployment Model

VM
Azure HCI Stack
Real-time replication from any system to Azure HCI Stack
Primary System
Target system

VM
Azure HCI Stack
Planned cutover near zero downtime
Decommissioned System
New primary system

Supported Platforms	File Systems Supported
• CentOS	• NTFS
• CloudLinux	• ReFS
• Debian Linux	• Ext2
• Microsoft Windows Server	• Ext3
• Oracle Enterprise Linux	• Ext4
• Red Hat Enterprise Linux	• XFS
• Rocky Linux	• Btrfs
• SUSE Enterprise Linux	
• Ubuntu	

Learn more at carbonite.com

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