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Carbonite Cloud Migration

Easy Windows and Linux migrations to the cloud

The risk and downtime associated with server migration have prevented many IT organizations from making the move to the cloud. Some have valid concerns about cloud lock-in. Still, without cloud, IT teams are less agile, less flexible and less able to meet the demands of their business. With so much C-suite awareness of the cloud competitive edge, IT can no longer avoid taking this step.

Carbonite Cloud Migration *Powered by DoubleTake* quickly and easily migrates physical, virtual and cloud workloads over any distance with minimal risk and near-zero downtime. The streamlined process automates 100 manual steps into five easy steps, automating everything from server discovery to target VM provisioning to the ultimate cutover.

Using efficient real-time, byte-level replication technology, Carbonite Cloud Migration creates a replica of the entire server being migrated and keeps it in sync with production systems. The migrated data can be validated without disrupting business operations, and downtime is limited to the seconds or minutes required for cutover to the cloud.

No downtime, no surprises

Carbonite Cloud Migration replicates the source system to the target, using AES 256-bit encryption to pass the data securely over the wire. Once replicated, the systems are kept in sync. Test cutovers can be done at any time without impacting production systems. In fact, end users can continue to use the source system until the final cutover. The actual cutover takes just seconds or minutes.

Automated, repeatable process

The Carbonite Cloud Migration console orchestrates all your migrations, regardless of source or target, from the initial discovery of your systems to provisioning target VMs, and ultimately cutting over. You can avoid a complex and error-prone migration while:

- Ensuring data, files, and even systems settings, are replicated reliably

- Managing bandwidth with intelligent compression and throttling options

Benefits

- Structured repeatable migration with near-zero downtime and no data loss

- Highly automated process that eliminates risks and streamlines migrations

- Freedom from lock-in to a specific cloud, hypervisor or piece of hardware

- 24x7 award-winning customer support

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- Satisfying security requirements that all data sent over the wire is encrypted

- Integrating with any external management tools with our comprehensive SDK

Move physical, virtual or cloud servers to cloud targets

Carbonite Cloud Migration enables you to make new cloud decisions without impacting system availability. With the power to migrate workloads to the cloud and between clouds, you're free from platform lock-in.

Online console automates cloud migration process

Any cloud
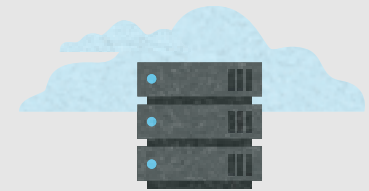
Target system

Primary system
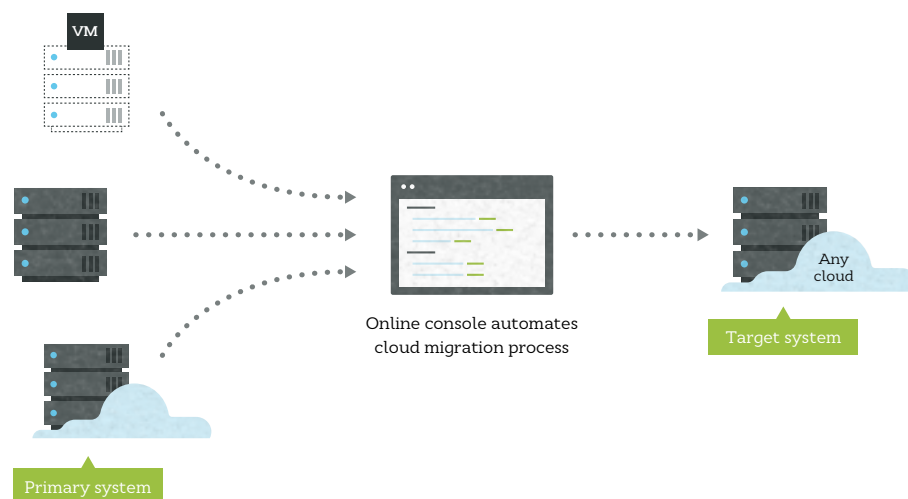
How it works

Initially, the details regarding the source and target environments are added to the online Carbonite Cloud Migration portal. The solution then automates the discovery of servers that may be migrated.

Once a server is selected for migration, the tool will identify an appropriate instance size in the target cloud, and that instance can be customized before migration. An automated process then installs the necessary software, provisions the target environment and initiates real-time, byte-level replication to create a replica of the source server at the target.

Carbonite Cloud Migration replication maximizes bandwidth efficiency, sending the smallest possible chunks of data, incorporating multiple levels of compression and enabling bandwidth throttling. The cutover itself takes minutes or seconds. With limited disruption or data loss, your workload will then be running in the target cloud.

Contact your Carbonite Partner to learn more.

Supported platforms

Source operating systems

- Microsoft Windows Server 2008, Microsoft Windows Server 2012

- Red Hat Enterprise Linux

- Oracle Enterprise Linux

- CentOS

- SUSE Enterprise Linux

- Ubuntu

Target environments

- VMware vSphere

- VMware vCloud Director

- Amazon Web Services

- Microsoft Azure Classic

- Microsoft Azure Resource Manager

- Google Cloud

- OpenStack