CARBONITE

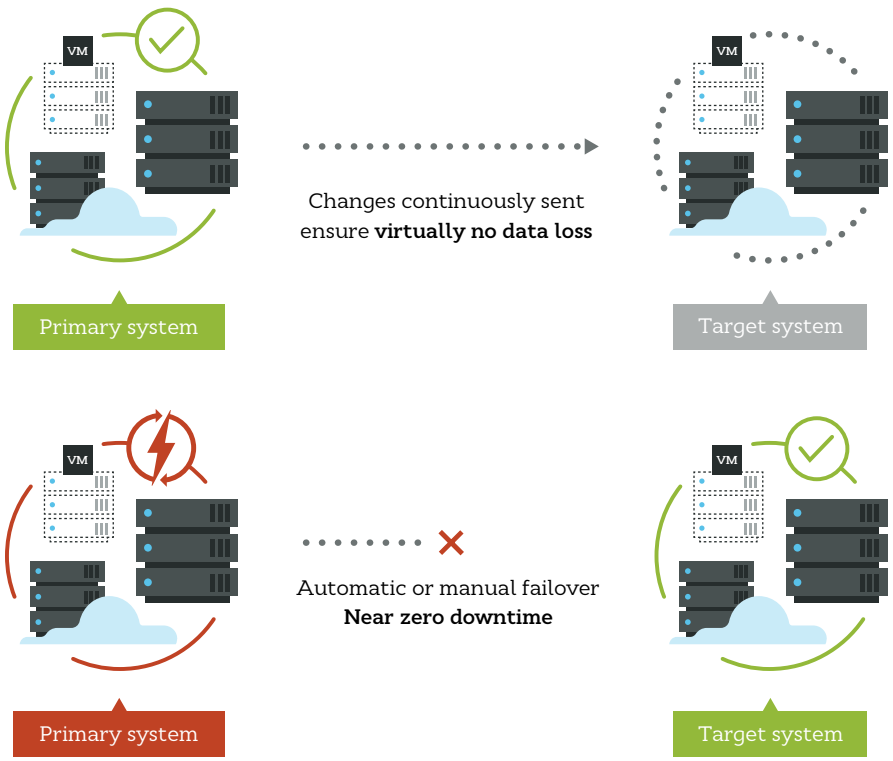
Carbonite Availability

Proven high availability and disaster recovery for Windows and Linux servers

Downtime strikes IT organizations from a multitude of sources. From the relatively rare natural disaster to the more commonplace user errors, malicious attacks or patching problems, IT teams can guarantee that downtime will strike some of their systems every year.

The cost of that downtime can be high. For revenue-generating systems, it's measured in thousands of dollars every hour. For business systems, lost productivity is similarly costly. Less easily defined are the potential losses associated with customer loyalty, end user dissatisfaction and competitive positioning.

Carbonite Availability *Powered by DoubleTake* software enables IT organizations to maintain the highest availability of their Windows and Linux servers by preventing downtime and data loss. The software does this using a continuous replication mechanism that maintains a secondary copy without taxing the primary system or network bandwidth. With support for physical, virtual or cloud source systems or target environments, the Carbonite Availability solution is a comprehensive replication option for organizations with mixed IT environments.



Benefits

- Continuous replication that minimizes data loss
- Incredibly fast failovers that minimize downtime
- Negligible performance impact
- Platform support for physical, virtual and cloud-based systems
- Award-winning global customer support from certified experts

Features

- Data encryption, in flight, between the source and the target
- Available automatic failover with server heartbeat monitor
- Integrated DNS management
- Three tiers of compression to minimize network impact
- Available bandwidth throttling options
- A comprehensive API
- Available API for integration
- Alerting and reporting features
- Easy, non-disruptive testing

Carbonite Availability

No delays, no data loss

Carbonite Availability continuously replicates changes from the source environment into a secondary target anywhere in the world. Once the initial seeding is complete, changes are transmitted in real time, ensuring the replica is in sync. The software replicates files, applications or an entire server, including its system settings.

Rapid failovers prevent downtime

In the event of a disaster to one system or an entire data center, a failover to the secondary location can be easily invoked. The secondary systems spin up and users are rerouted with only a few seconds or minutes of interruption.

Negligible performance impact

The production servers protected by Carbonite Availability will not experience any performance degradation due to the replication. As changes are captured and transmitted at the byte level, impact to network performance is minimal.

Physical systems support

Physical systems, which are typically critical to operations, are often left out of the disaster preparedness plan. To ensure all IT systems are protected, the Carbonite Availability solution can replicate Microsoft Windows or Linux servers on any underlying platform and to any target: physical, virtual or cloud. This enables IT to unify its business continuity solution across all platforms in a single solution.

Supported platforms:

- Windows Server
- Red Hat Enterprise Linux
- CentOS
- Oracle Enterprise Linux
- SUSE Enterprise Linux
- Ubuntu
- Microsoft Exchange
- Microsoft SQL Server
- Microsoft SharePoint
- Oracle MySQL
- Microsoft Azure
- Amazon Web Services (AWS)
- Google Cloud and more

How it works

Carbonite Availability uses patented replication technology to capture changes at the byte level and replicate them between any source and target environment: physical, virtual or cloud.

First, the Carbonite technology is deployed to all the servers being protected. Through the management console, the target secondary environments are configured and replication begins with a seeding process. All data transmitted is encrypted using AES-256 encryption, and compressed using three tiers of bandwidth-saving mechanisms. Once the seeding is complete, the solution updates the target with any changes in real time.

In the event of an outage, administrators can manually or automatically fail over users to the secondary server in minutes or seconds. The recovery point can be current, or systems can be reverted to an earlier point, before an error or infection occurred.

Contact us to learn more

Phone: 800-683-4667
Email: DataProtectionSales@carbonite.com