

opentext™ | Cybersecurity

Complete Data Protection

All the tools necessary to achieve
cyber resilience



<< CARBONITE®
by opentext™

The importance of cyber resilience for our customers

Today's cybersecurity threats are twofold

- An increase in the frequency, severity and sophistication of ransomware attacks
- A lack of cyber resilience, a strategy designed to stop the spread of malicious attacks and help businesses quickly recover from them

In other words, the malware will cause an infection and cyber resilience can stop it in its tracks. But with an insufficient response, an attack spreads and causes the kind of downtime that leads to business disruption.

Cyber resilience embeds security and data protection software and best practices across the business ecosystem to:

- Quickly respond to threats
- Minimize the damage
- Restore normal operations quickly
- Maintain security posture to be compliant

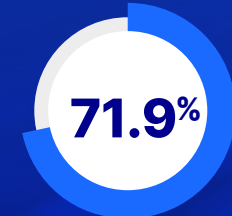
A successful data breach can cause substantial operational, financial and reputational damage.



of SMBs have lost customers or revenue due to downtime¹



Estimated value lost by public companies after a successful cyber breach²



of companies impacted by ransomware are SMBs (11 to 1,000 employees).³

¹ TechRadar, Survey highlights the heavy costs of business downtime, June 15, 2020

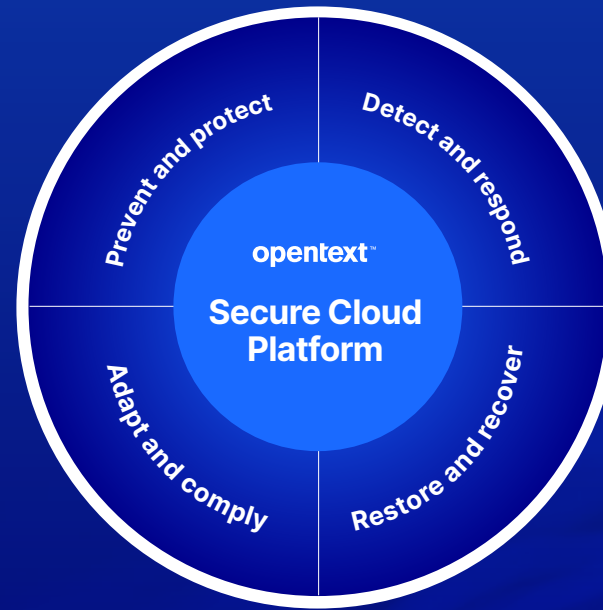
² Comparitech, How data breaches affect stock market share prices, February 9, 2021

³ Coveware, Fewer Ransomware Victims Pay, as Median Ransom Falls in Q2 2022. July 28, 2022

The need for data protection as part of a cyber resilience strategy

OpenText Cybersecurity is focused on cyber resilience for small and medium businesses. Our security solutions address 4 key areas:

- **Prevent and protect**
We help you establish effective controls to prevent known and unknown threats from coming into your environment.
- **Detect and respond**
Our solutions help you quickly detect and rapidly respond to cyber disruptions whether from internal or external forces.
- **Restore and recover**
We combine proven and proactive capabilities that empower you to respond to threats and restore systems quickly.
- **Adapt and comply**
Our solutions help you comply with information security, regulatory, and industry standards and maintain security governance



Discover the OpenText Secure Cloud platform

With our OpenText Secure Cloud platform, your organization gains a modern approach to cybersecurity with a cloud-native architecture that empowers you to secure your company's data and extended environment at speed and scale.

Our platform is powered by real-time and contextual threat intelligence that provides you with insights aggregated from various threat sources. Our high-efficacy product portfolio with low false positives enables you to implement a holistic security program that you can manage from a central console, reducing your administrative and management complexity while providing an easy and compliant experience.

Destination resilience

With the rapid pace of technology innovation today, it's common for data to be spread across a range of physical, virtual and cloud platforms, and even across wider geographic distances. This heightens the need for aligning protection with urgency. By aligning data protection with urgency, businesses can ensure predetermined service levels for all types of data, eliminate unnecessary demands on internal resources and maintain business agility. This can all happen at a lower total cost of ownership than with traditional solutions.

Determining factors

Several factors will determine the appropriate type of protection, including the nature of the system, the purpose of protection and the procedures and technology available to achieve desired outcomes.

The nature of the source is a strong indicator for the type of protection it requires. A system that acts as a repository will require a lower level of protection than, say, a server hosting active, critical applications and data. When determining protection, the ultimate decision comes down to outcomes. Starting with outcomes, IT decision makers can easily eliminate solutions lacking the minimum feature set.

Specific outcomes businesses seek to control include:

- System uptime
- Recovery point
- Recovery speed
- Data survivability
- Document retention
- Discoverability
- Non-disruptive migration

Procedures and technology are additional factors. Rate of change and bandwidth will determine the need for periodic or real-time replication, or a blended approach. Geographic distribution of networks – combined with mixed physical, virtual and cloud deployments – also serve to increase complexity and demand for resources.



Destination resilience



Platforms

Data protection accross
any type of storage



Geography

Managing and protecting data
wherever it resides



Flexible solutions

As much or as little
control as you want

Data-defined protection

Data-defined protection isn't new. Historically, the lack of automated tools left the provisioning of protection subject to the clout of individual stakeholders. Today, traditional criteria for determining protection – such as business size or the total data footprint – are less critical with today's scalable cloud infrastructure. The practices and procedures for data protection have evolved alongside mobile and cloud platforms. Businesses now have a complete spectrum of solutions to address critical needs for all types of data in any organization.

Information governance

Federal and industry regulations impose requirements for handling data that businesses must satisfy or risk falling out of compliance and certification. Requirements for record retention, email archiving and discoverability fall under the label of information governance.

Traditional solutions were expensive, labor-intensive and prone to failure. Today, technology exists for ensuring the long-term survivability of semi-active or inactive data while reducing costs and improving the performance of more critical areas of protection. The ideal solution for archiving and document retention is one that automates backup to a secure target using low-cost, scalable storage.

Disaster recovery

Data loss becomes increasingly costly as organizations depend more on data to pursue strategic objectives. As organizations grow, so does the amount of data they generate. Modern infrastructures are more complex than those from even just a few years ago. Today's environments support a wider range of operating systems, applications, physical servers, virtualized workloads and multi-cloud deployments, with networks extending beyond the central office.

At the same time, risks are more pervasive. Malware and ransomware infections are on the rise, and businesses are increasingly targeted due to the value and sensitive nature of data. Backup is essential to mitigate these threats.

In a data-defined protection strategy, deployment aligns with predetermined objectives based on the urgency of each system under protection. This affects scheduling, retention and the provisioning of onsite, offsite or hybrid protection. By protecting data at an offsite location in a separate FEMA zone from the source, organizations can ensure access to critical data if there's a disruption at the main location.





Service vs. purchase

Disaster recovery as a service (DRaaS) is an increasingly common option. With DRaaS, a third party provides a remotely hosted environment that mirrors production in real time. If there's an interruption at the source, the replica can be made available through either self-service or managed failover. All infrastructure and maintenance are the responsibility of the provider. Technology analysts predict the share of businesses using DRaaS will grow for small, medium and large organizations as the economics of the cloud continue to drive greater cost savings and scalability.

Whether an organization uses a traditional backup approach or DRaaS, any solution designed for recovery should provide simple procedures for restoring files, folders and full systems. It's also important for these procedures to work in the event of human error, hardware failures, malware and natural disasters. If a user becomes infected with a ransomware virus, an

IT admin should be able to revert to an earlier, non-corrupt version without being forced to pay a ransom to cyber-criminals.

User productivity

Today's markets are mobile, global and highly competitive. To stay productive, users need always-on access to critical data. A lost or stolen laptop, coffee spill or server outage can be extremely costly for data-dependent organizations. IT departments need tools for protecting laptop and mobile data from common forms of data loss. And they need failover capabilities for when a server or database experiences an outage.

Data protection should offer businesses advanced feature sets for ensuring always-on access to critical data, servers and applications for any type of disruptive event. Today, system complexity and the mobile nature of the workforce necessitate a wide range of configuration options, including ground-to-cloud, cloud-to-ground, cloud-to cloud, one-to-many and many-to-one, to name a few.

End-to-end solutions from a single vendor

Achieving cyber resilience requires identifying and addressing potential attack surfaces by which a hacker could compromise an organization – users, networks, devices and data.

Our extensive portfolio, offered from a single vendor, helps customers to:



Focus on profitability



Reduce Risks



Be resilient against attacks

Restore and recover

Minimize downtime and data loss

Challenges

When a disruptive event occurs—whether it's a natural disaster, cyber-attack, or human-caused event—it significantly increases the risk of impeding regular company operations. It's a common headline to see ransomware crippling businesses and, often, requiring many to stop operations immediately after discovering an attack. When systems go down businesses suffer lost revenue, productivity, and diminished customer satisfaction until normal operations resume.

Business continuity with capabilities to maintain the delivery of products and/or services while an organization restores and recovers operational data is essential in today's cyber environment. Yet, organizations are challenged with lacking reliable availability, data backup, and recovery solutions for their infrastructure that securely preserves data confidentiality, integrity, and availability while minimizing downtime for day-to-day operations.

How we can help

Data protection is a balancing act between the need to protect data and the need to easily access data. The trick lies with deploying the right protection across the different systems, types of data and various environments. IT pros need confidence that the protection they deploy can:

- Restore business data quickly and reliably
- Store and transmit data securely
- Extend protection as environments change
- Provide long-term survivability of historical data

Carbonite backup, archiving, disaster recovery and high availability solutions help businesses of all sizes and in every industry improve the resilience of their systems. From simple, secure cloud backup and disaster recovery as a service (DRaaS) to high availability and non-disruptive migration, Carbonite offers all the tools necessary to deploy a comprehensive data resilience strategy for any type of data, on any system, across any environment.

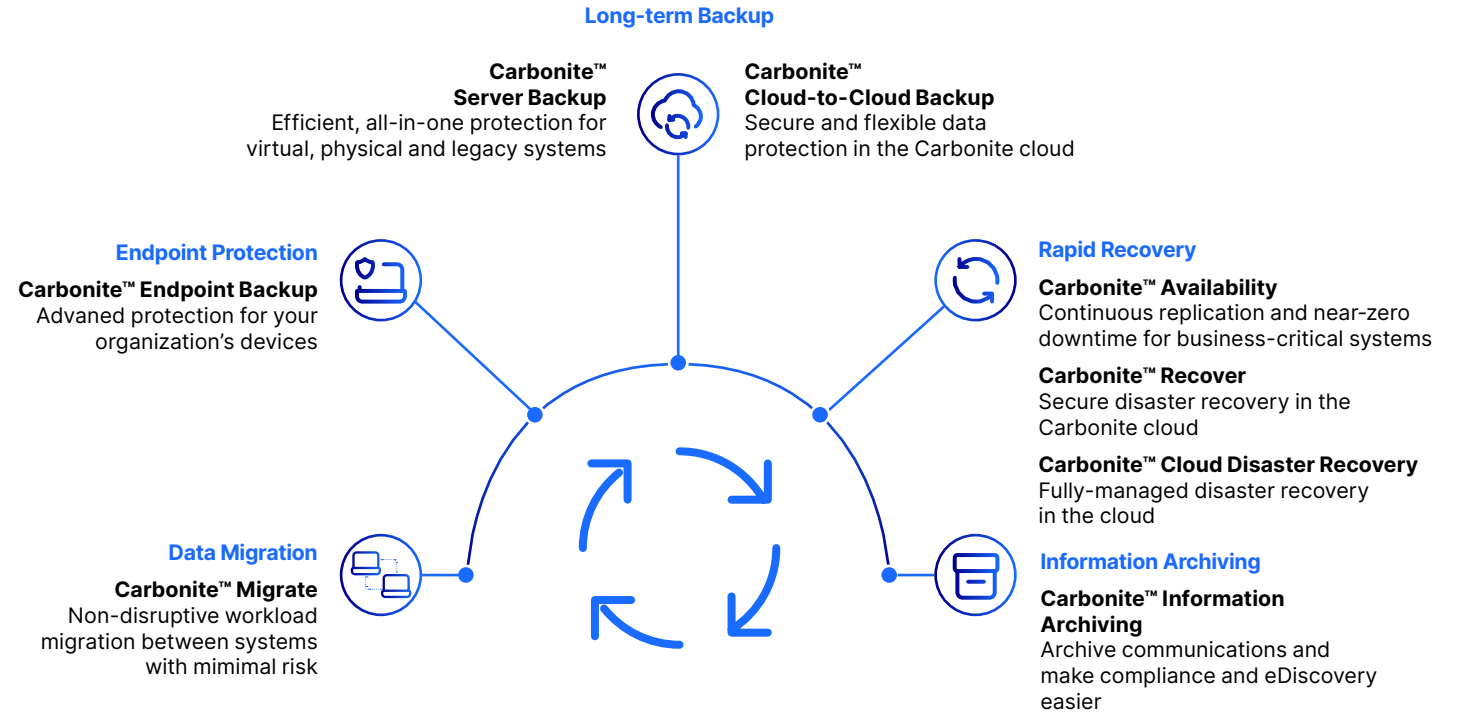


Carbonite™ Data Protection

Our robust data protection solutions provide the breadth of capabilities for your business continuity program and supports the continuance of your critical operations, as well as the recovery and remediation for bringing your data and systems back on-line. Our solutions enable you to maintain the highest availability for your environment, preventing downtime and data loss. And with our reliable backup and data recovery solutions, you can automate and expedite efforts to restore your business critical and high value data residing on your endpoints, servers, and business applications.

Our data resilience and recovery solutions empower you to effectively deal with threats like ransomware and keep your business running smoothly with recovery point objectives up to seconds. And if want expert resources to support your needs, our managed disaster recovery services ensure your organizations experiences rapid recovery. With the flexibility of 1, 24, or 48-hour options for recovery time, you can satisfy your business uptime SLAs.

Carbonite delivers backup, archiving, high availability, DRaaS and data migration for all types of data. This even includes heterogeneous environments and dispersed networks. Carbonite equips organizations with the ability to implement the right level of protection for each system in their network. All Carbonite solutions include complete documentation, award-winning global customer support from certified experts and online access to a user community and knowledge base.



The data management platform for business

Carbonite™ Server Backup

Efficient, complete protection for servers

Carbonite™ Server Backup offers comprehensive, reliable and proven server protection with support. We protect over 200 operating systems, platforms and applications including physical, virtual and legacy systems. Deployed onsite, we store copies locally as well as in the secure Carbonite cloud. The software cloud service and optional onsite hardware are all fully integrated and backed by our award-winning Carbonite support team.



What we solve for customers

- Backup for servers from physical, virtual and legacy systems
- Recover virtual machines in minutes
- Easily recover specific data or entire systems



What's our differentiation

- Flexible recovery options including bare metal recovery or granular restore for files, folders and application data
- Support for over 200 applications and operating systems including Windows, Linux, IBM iSeries, AIX and more
- Flexible deployment models with cloud, on-premises and hybrid configurations



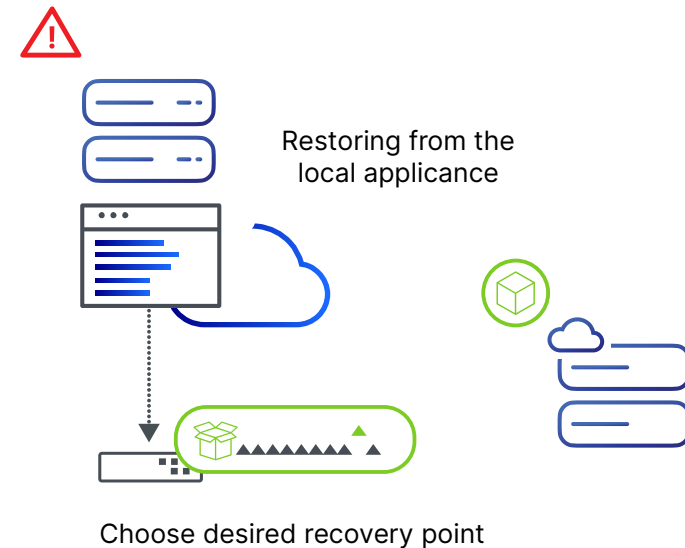
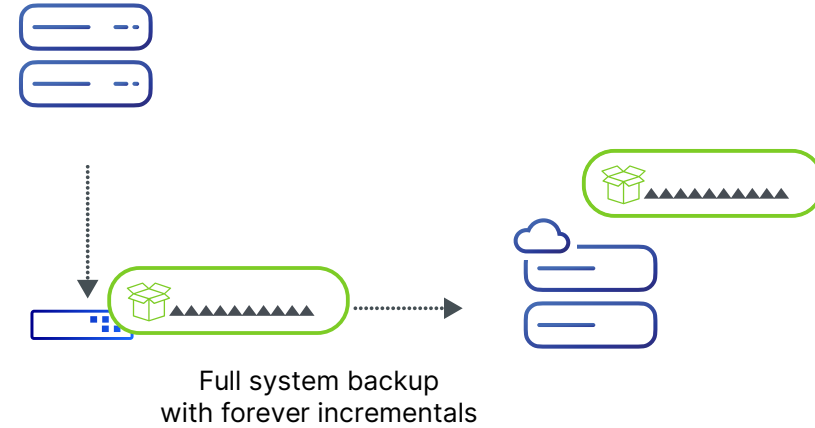
Key outcomes

- Flexible recovery with granular file and application-aware restore options
- Recover critical systems with near-zero downtime
- Simple, all-In-one solution with optional local or cloud failover for peace of mind

Carbonite™ Server Backup deployment model

Take advantage of flexible deployment options and the ability to restore current or historical data from the cloud or a local appliance.

- Direct to cloud
- Hybrid backup
- Remote office, branch office (ROBO)
- Data is backed up from physical or virtual servers to the backup server
- After the full backup completes, only incremental backups are required
- Carbonite Server Backup replicates data to the cloud as soon as backup jobs complete



Carbonite™ Cloud-to-Cloud Backup

Keep your business resilient with peace of mind data protection

Carbonite™ Cloud-to-Cloud Backup offers comprehensive backup and recovery of SaaS applications and boasts central management, granular restore, rapid recovery and flexible retention options. Our purpose-built backup solution ensures IT administrators can recover as much or as little SaaS application data as necessary.



What we solve for customers

- Secure the data in your SaaS platforms
- Maintain regulatory compliance (HIPAA, SOX, GDPR, etc.)
- Prevent intentional or unintentional data loss



What's our differentiation

- Unlimited storage and unlimited retention
- Full redundancy (S3 to Glacier)
- Ability to browse daily snapshots and run searches



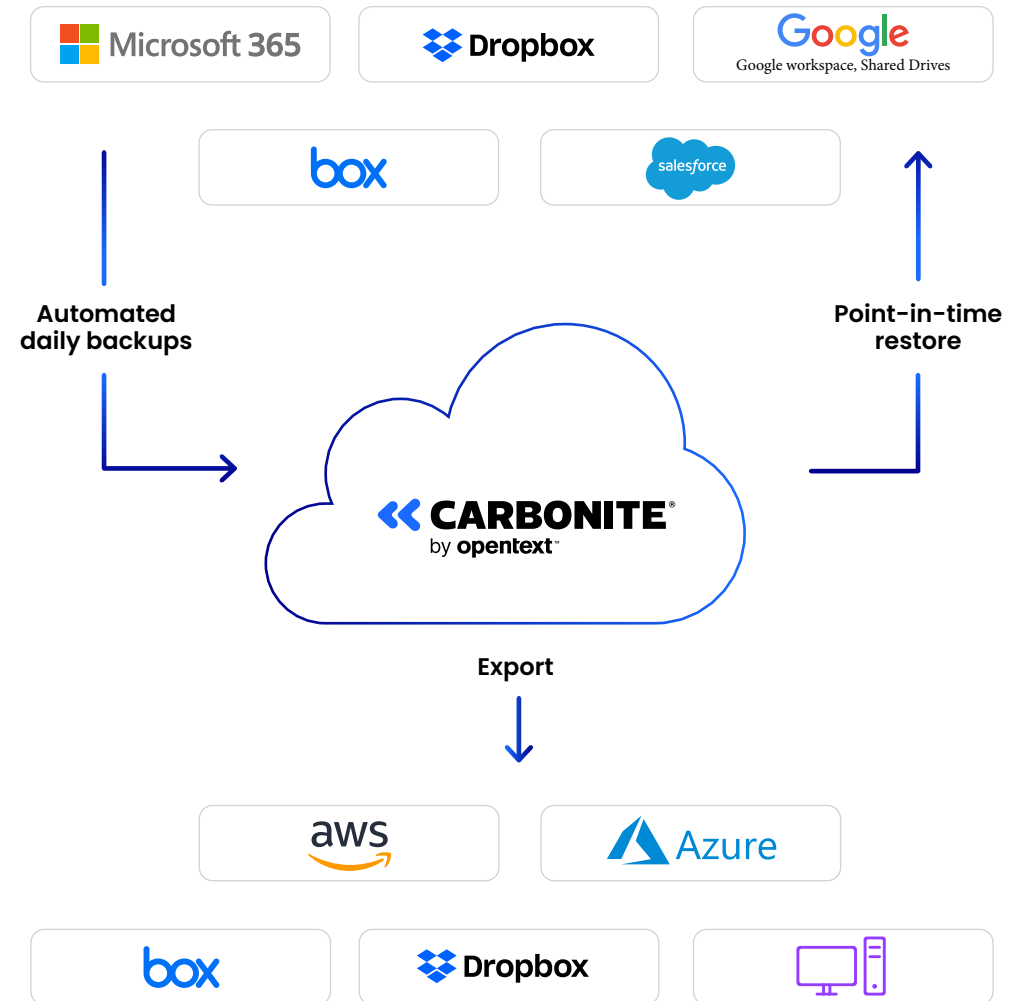
Key outcomes

- Automated backup of Microsoft 365, Google Workspace, Salesforce, Box and Dropbox
- Recover from any point-in-time or hierarchy (mailbox, site, folder, doc, etc.)
- Automated on-boarding and off-boarding of users and sites

Carbonite™ Cloud-to-Cloud deployment model

Carbonite™ Cloud-to-Cloud Backup is a comprehensive, easy-to-use solution that automatically backs up data once workloads are defined.

- Back up select user data or enable our auto-detection capability to automatically back up new users or sites once they are added
- Gain access to global data centers of your choice or back up to your own cloud S3 compatible storage
- Retrieve data anytime, anywhere with self-service recovery – including granular restore with advanced search, point-in-time and cross-user restore with unlimited retention
- Easily export data at any time with industry standard EML, VCF and ICS formats or Outlook compatible PST format



Carbonite™ Endpoint Backup

Protection of all the data that resides on your endpoints

Carbonite™ Endpoint Backup is a comprehensive, automatic backup solution for all your endpoint devices and the data that resides on them. It simplifies the administrative tasks associated with deploying protection across an entire organization, no matter the size, distribution or sophistication of the environment.



What we solve for customers

- Help prevent common, everyday forms of data loss including ransomware, hardware failures, device theft and malicious insiders
- Protect all Windows and macOS endpoint data
- End user self-restore and centralized admin restore



What's our differentiation

- Flexible recovery options — incremental restore and point-in-time recovery of data
- Automated agent deployment and user onboarding
- Data security with AES 256-bit encryption plus patented and unique encryption key management



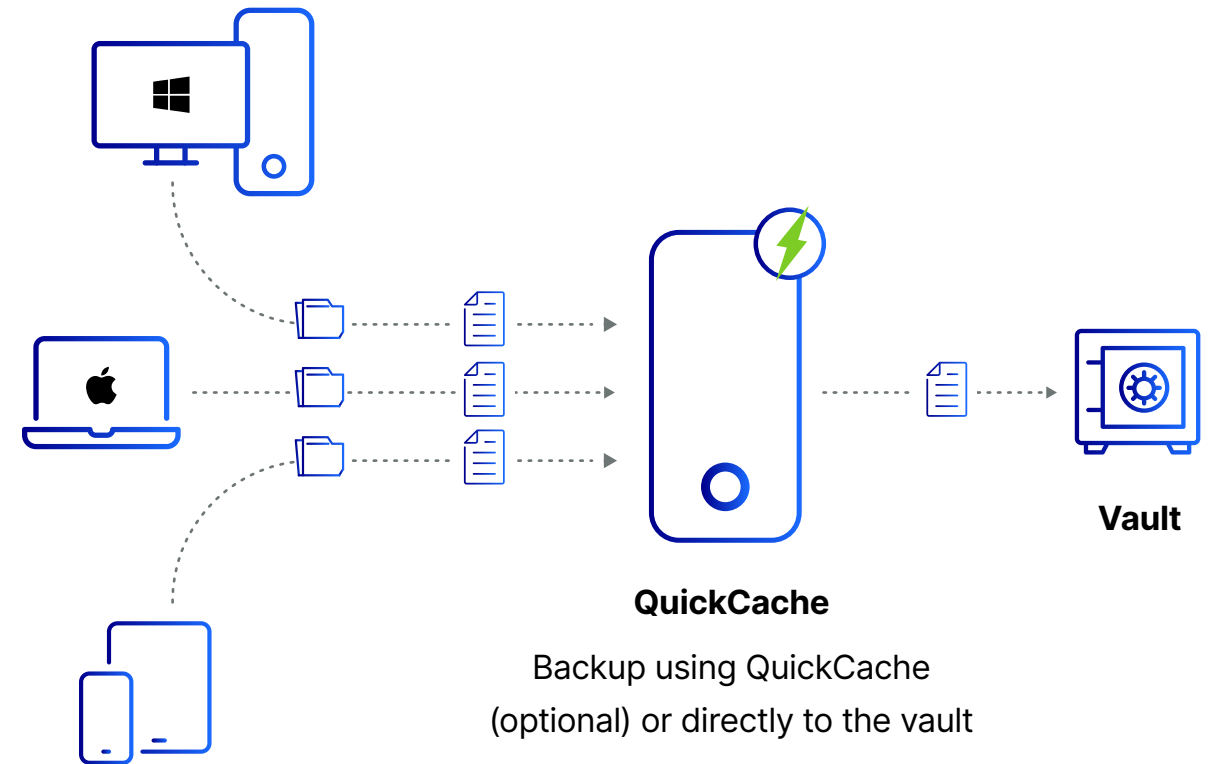
Key outcomes

- Fast recovery from ransomware and other targeted attacks
- Automated, IT-controlled backups to a central location
- Data sovereignty within US, Canada, Europe and APAC regions

Carbonite™ Endpoint Backup deployment model

Carbonite™ Endpoint Backup makes it easy to deploy the software across dozens, hundreds and even thousands of endpoints with our silent deployment technology.

- Define policies in Carbonite's Microsoft Azure-hosted vault
- Silently deploy Carbonite software on computers and laptops
- Back up distributed devices using the local cache or directly to the vault
- Remotely wipe data if a device is lost or stolen
- Recover data to original device or a different device



Carbonite™ Migrate

Ensure your data is where it needs to be

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



What we solve for customers

- Compatibility issues while moving data and workloads across disparate platforms
- Extended downtime during migrations
- Disruption to business operations due to manual processes or complex settings



What's our differentiation

- Keep users and systems active and fully productive while your data is being migrated
- Migrate across different hardware, virtualization and cloud platforms
- Pre-flight checks and automation let you migrate with confidence every time



Key outcomes

- Structured, automated and repeatable migration with near-zero downtime
- Improved IT agility and no vendor lock in (e.g., can use any hypervisor, hardware, cloud vendor, etc.)
- Quick, turn-key migration of the workload at scale

Carbonite™ Migrate deployment model

Figure 1

Carbonite™ Migrate uses real-time, byte-level replication to create a replica of the data, applications, database or complete server being migrated. The replica is kept in sync, mirroring all changes to your system.

Figure 2

Cutover to your new system in minutes. Automation is available and cutover downtime is limited to seconds or 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 scripting or integrated with third-party tools.

VM = Virtual Machine

Figure 1

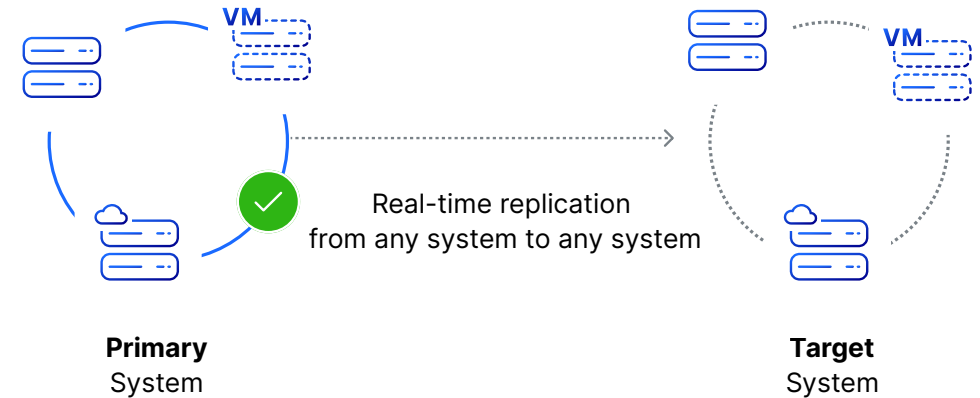
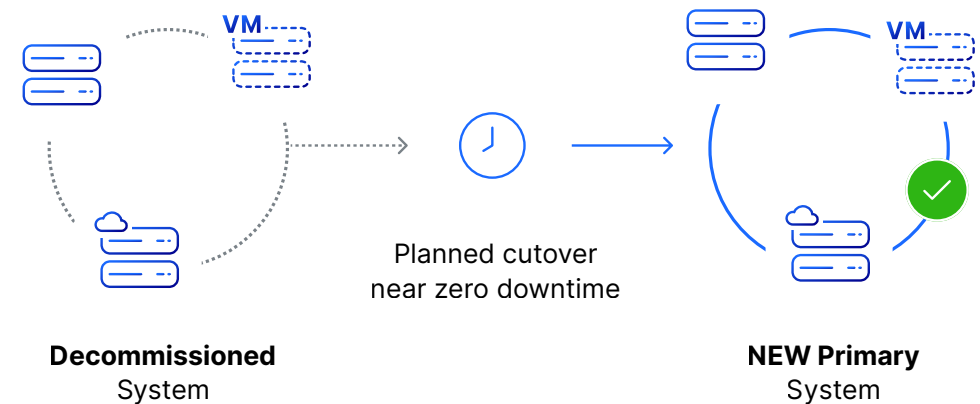


Figure 2



Carbonite™ Availability

Keep mission-critical data available, always

Carbonite™ Availability enables IT organizations to maintain the highest availability of their Windows and Linux servers by preventing downtime and data loss. With support for physical, virtual or cloud source systems or target environments, the Carbonite Availability solution is a comprehensive high availability option for organizations with mixed IT environments.



What we solve for customers

- Support and manage critical systems across mixed environments
- Planned and unplanned downtime of applications resulting in loss of business
- Slow and manual failover processes increase the cost of downtime



What's our differentiation

- Real-time, byte-level replication can eliminate data loss and provide a RPO in seconds
- Storage, server, hypervisor and cloud independence
- Failover process and monitoring can reduce downtime to just a few seconds or minutes RTO



Key outcomes

- Provide high availability of modern and legacy critical systems, datasets and applications
- Achieve compliance and SLAs through protection of mission-critical data in your preferred environment
- Reduce risks associated with planned and unplanned events – no hit to revenue or brand

Carbonite™ Availability deployment model

Figure 1

Carbonite Availability™ automates the setup and configuration of real-time protection and availability management for datasets, business-critical applications and full system states through advanced management features.

Figure 2

In the event of an outage, failover to the waiting secondary server is easy and can be accomplished in minutes. Carbonite Availability monitors the behavior of the production environment and can automatically take corrective action. Or you can choose to initiate an automated failover process on demand. When the time is right, you can fail back to the original or a replacement server by performing an automated failback with push-button simplicity.

VM = Virtual Machine

Figure 1

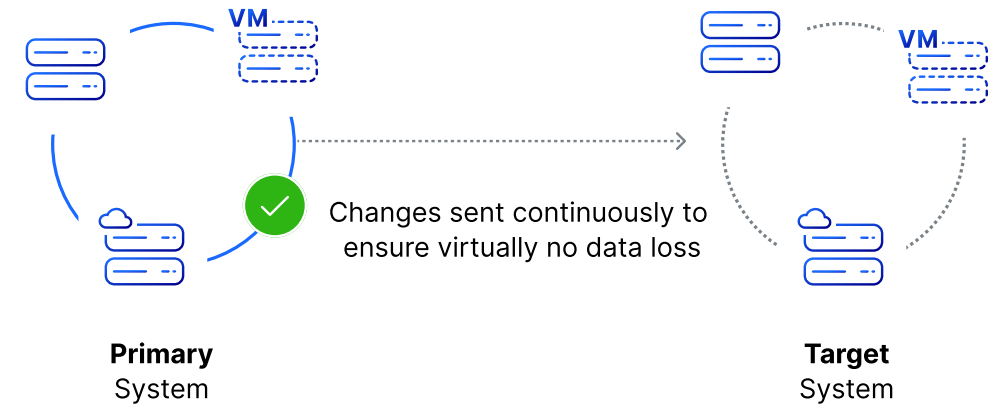
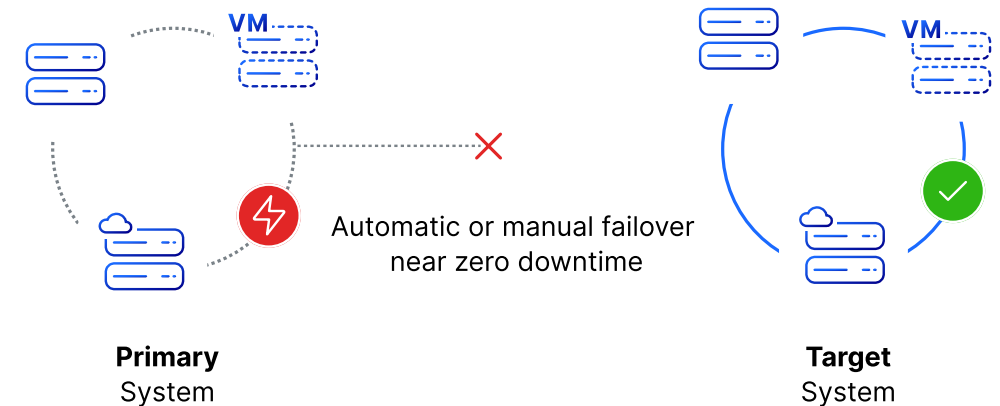


Figure 2



Carbonite™ Recover

In the face of an attack or natural disaster, recover your data to keep your business moving

Carbonite™ Recover reduces the risk of unexpected downtime by securely replicating critical systems to the cloud, ensuring that an up-to-date copy is available when it is needed. With non-disruptive, self-service tests, failover reports and professional services support, organizations can have confidence in their data protection strategy.



What we solve for customers

- Limited IT staff time and expertise
- Recovery times are too long for meeting RTOs/RPOs
- Disruptive with downtime- or risk-prone testing
- Costly infrastructure and need for secondary site



What's our differentiation

- Asynchronous, byte-level and real-time replication with push-button failover and failback providing the same RTO/ RPO
- Non-disruptive, unlimited self-service DR testing and failover reports
- Replicate from physical, virtual and cloud-based systems



Key outcomes

- Disaster Recovery as a Service (DRaaS) eliminates need for disaster recovery experts
- Implement aggressive SLAs; near zero downtime with RTO in minutes and RPO in seconds
- No need for a secondary data center; Carbonite manages all infrastructure and maintenance

Carbonite™ Recover deployment model

Figure 1

Carbonite™ Recover securely replicates critical systems from your primary environment to the cloud, ensuring that an up-to-date secondary copy is available for failover at any moment.

- This both minimizes downtime and costs.
- There is no need for a secondary data center. Carbonite manages all infrastructure and maintenance.

Figure 2

When an outage occurs that exceeds a pre-established failure threshold, businesses can immediately fail over to the secondary environment.

- Orchestration for multi-tier applications automates the provisioning of virtual machines and specifies the boot order to expedite recover time.
- Recovery time objective (RTO) is measured in minutes, and the recovery point (RPO) is only seconds old, virtually eliminating the business impact of the outage.

VM = Virtual Machine

Figure 1

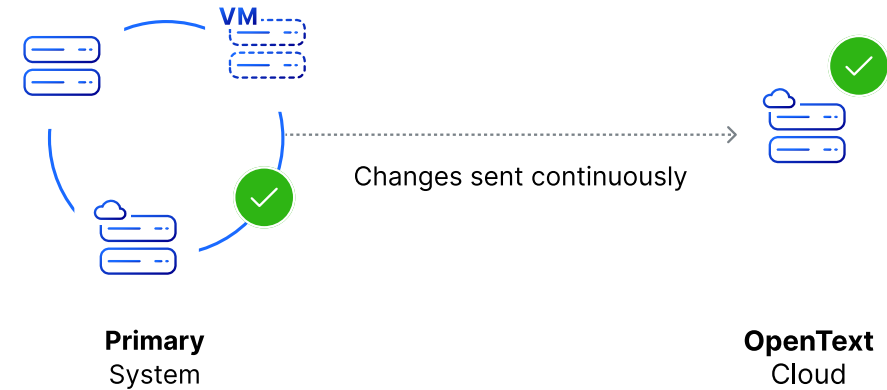
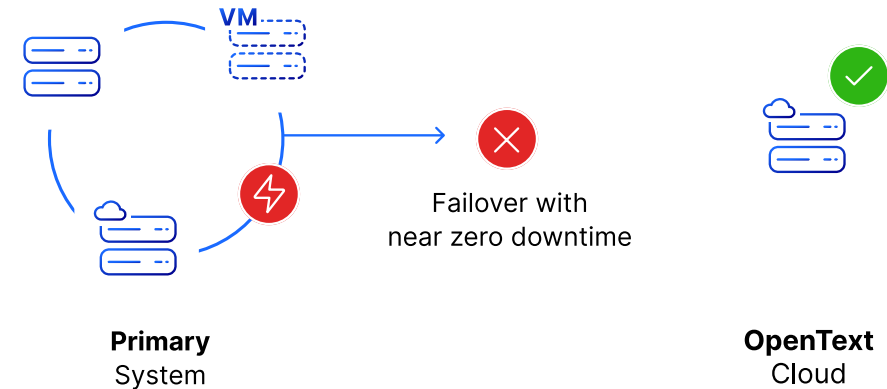


Figure 2



Carbonite™ Cloud Disaster Recovery

**Fully managed disaster recovery
keeping your business up and
running – guaranteed.**

Carbonite™ Cloud Disaster Recovery ensures the continuity of IT operations and rapid recovery of your mission-critical systems in the cloud no matter what kind of outage you are facing. For businesses that require the assurance of service level agreements (SLAs), we offer managed resiliency services that guarantee access to your mission-critical systems.



What we solve for customers

- Limited IT staff time and expertise
- Recovery times are too long for meeting RTOs/RPOs
- Disruptive with downtime- or risk-prone testing
- Costly infrastructure and need for secondary site



What's our differentiation

- Customized Recovery Data Protection Plans for reference, testing and audit readiness
- White glove professional services during implementation, management and recovery
- Annually scheduled DR testing and certified health checks
- Recover and run your critical applications in our cloud for as long as you need



Key outcomes

- Fully staffed experts available 24X7X365 to manage the failover and recovery process in the event of a disaster
- Keep your business up and running with guaranteed recovery time SLA options of 1, 24, or 48-hours
- Eliminate the expense of your own DR site; Carbonite manages all infrastructure and maintenance

Carbonite™ Cloud Disaster Recovery deployment model

Figure 1 – Initial Set up

- Client selects servers to protect and desired recovery time objective (RTO)
- Carbonite Installation Engineer works with client to configure backup or replicate to the Carbonite Cloud
- Carbonite performs Pre-Testing Activities before executing DR test and provides documented test results, DR execution plan, and emergency contact information

Figure 2 – Disaster recovery

In the event of a disaster,

- Client 'declares' the disaster by calling the DR hotline
- Carbonite experts manage the full recovery process
- Carbonite team recovers systems within a virtual network per the SLA contract
- Client employees access the recovered applications from anywhere through a secure connection

Figure 1 – Initial Set up for 24-hour SLA

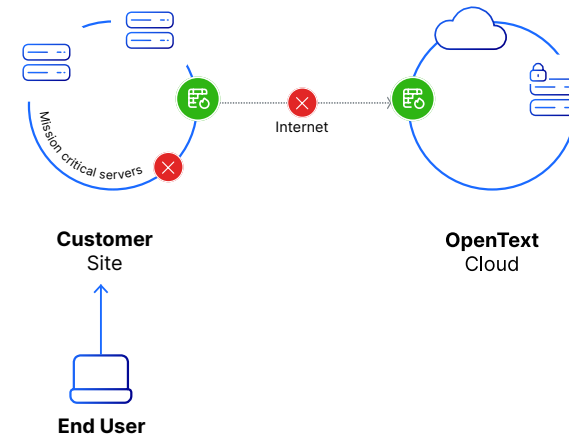
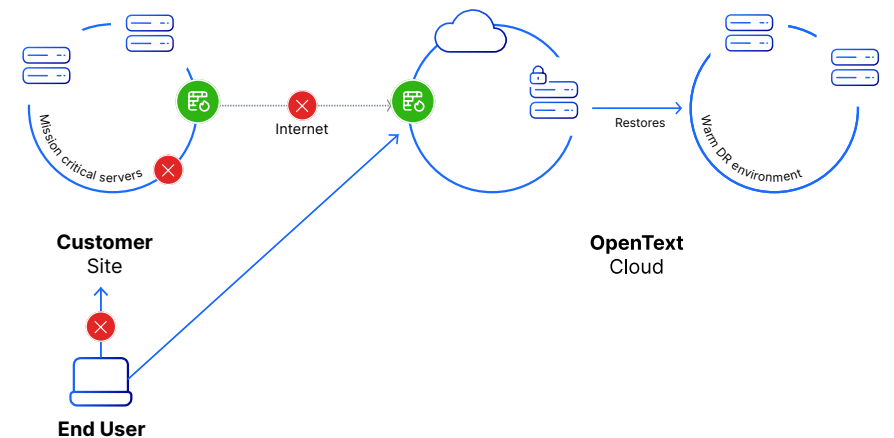


Figure 2 – Disaster recovery for 24-hour SLA



Adapt and comply

Adhere to information security, regulatory and industry standards

Challenges

The use of digital information is pervasive in the way we operate today, from sending emails and chat messages to using word processors, productivity apps, and an infinite variety of other sorts of digital data. This shift to digital information and organizations storing customer information, credit card numbers, and other financial details has created the need for regulatory oversight on how organizations are handling and protecting their customer's data.

However, managing compliance is a challenge for organizations due to the constantly changing regulatory landscape. But noncompliance can result in hefty fines as well as corporate operations that are unable to secure data or respond quickly to a security event. Adding to the challenges, an organization's compliance initiatives must also deal with hybrid work environments, exponentially increasing data volumes, rising tech stacks, resource constraints, and budgetary considerations that frequently result in overworked and understaffed risk and compliance teams.

How we can help

Our Adapt and Comply solutions help you adhere to evolving regulations by empowering you to discover, analyze, and protect your organization's sensitive data, as well as continuously monitor and manage the data lifecycle. Our data retention solutions help you implement highly scalable, cloud-first archival that streamlines your IT investments while helping ensure compliance



Carbonite™ Information Archive

Archive all communications and make eDiscovery easier for your team

Carbonite™ Information Archiving can store an unlimited number of files and communications from over 50 different sources including email, social media and collaboration tools. This simplifies the eDiscovery process by simultaneously searching all communications at the same time – saving you time and money.



What we solve for customers

- Ability to archive other than email (SMS, Teams, social media, etc.)
- Protect against compliance violations and unplanned litigations
- Increase efficiency and minimize third-party eDiscovery bills



What's our differentiation

- Searchable archive for company communication with 50+ sources
- Safely share data with third parties
- Unlimited cloud-based storage and eDiscovery
- Flexible search built for anyone (no technical expertise required)



Key outcomes

- Simple to manage, support and customize from a single interface
- Fast and early case assessment for IT, legal and HR investigations
- Time-saving supervision for FINRA and SEC regulated companies

Carbonite™ Information Archiving

How it works

Carbonite Information Archiving is a proven solution that indexes and stores outbound, inbound and internal email communication. With Carbonite Information Archiving, you can:

1. **Quickly and securely** share eDiscovery findings with outside parties during litigations – without SFTP sites or external hard drives
2. **Intuitively search** data across email, social media and collaboration tools
3. **Save time and money** by using a solution that consolidates 50+ sources of communication data into one search
 - Investigate complaints and violations faster by examining all communications in one place
 - Increase security with delegated access control

Compelling event → Run a quick search → Expedite a resolution

- M&A
- Litigation
- HR complaint
- Audit

Carbonite Information Archiving

 Type to search

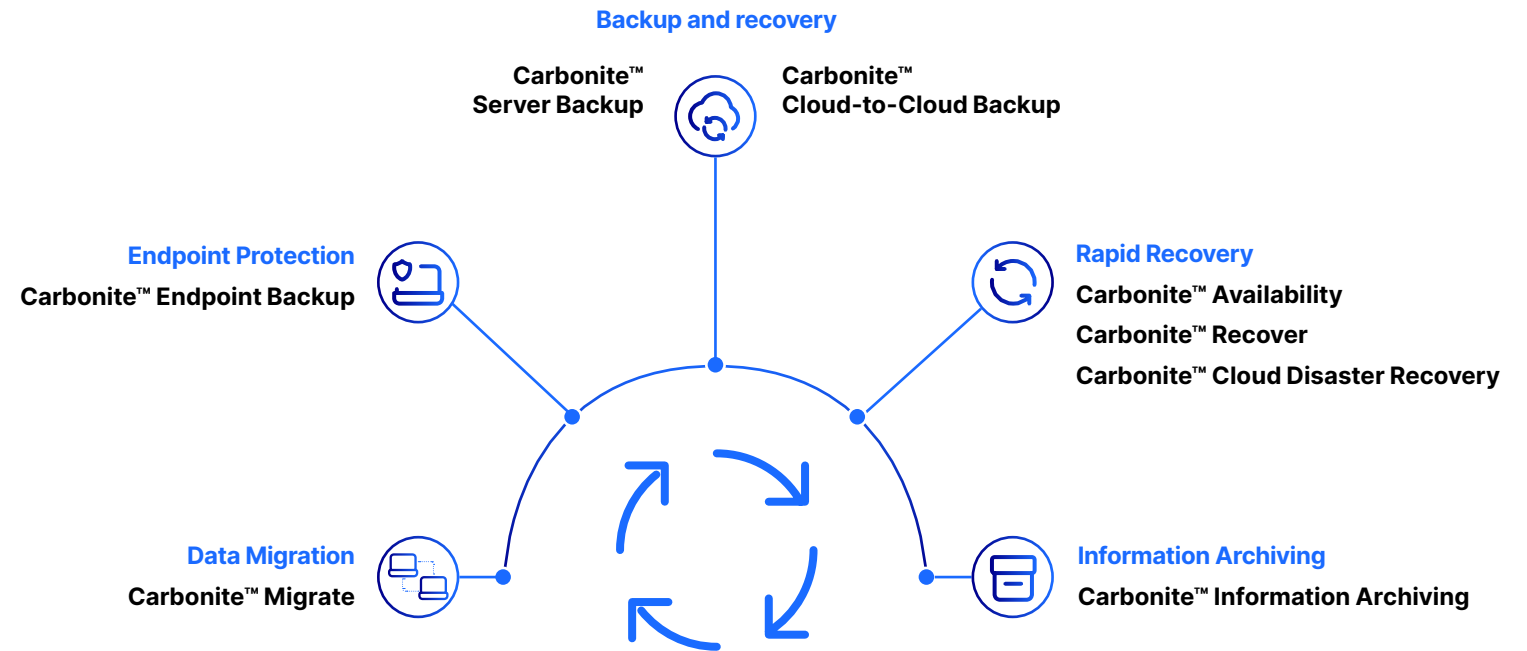


- Surface incriminating conversation
- Suit has no merit—one email and it's dismissed
- Concern validated
- Demonstrate compliance, safely share select information

The data management sweet spot

A blended approach to data management – high availability combined with backup and non-disruptive data migration – gives IT decision-makers confidence in their ability to mitigate disruptions, preserve historical data and maintain business agility. It also simplifies administrative tasks and allows IT staff to focus on strategic initiatives. Organizations of all sizes wish to achieve this level of cyber resilience.

The Carbonite data protection portfolio enables businesses to deploy comprehensive protection. for any physical, virtual, cloud, legacy or heterogeneous environment.



The data management platform for business

Carbonite and Webroot, OpenText companies, provide comprehensive cyber resilience solutions so businesses and individuals can remain up and running in the face of cyberattacks and data loss. Together we offer security, data backup and recovery, and threat intelligence services used by leading vendors worldwide.

Learn more at carbonite.com



opentext™ | Cybersecurity

OpenText Cybersecurity provides comprehensive security solutions for companies and partners of all sizes. From prevention, detection and response to recovery, investigation and compliance, our unified end-to-end platform helps customers build cyber resilience via a holistic security portfolio. Powered by actionable insights from our real-time and contextual threat intelligence, OpenText Cybersecurity customers benefit from high efficacy products, a compliant experience and simplified security to help manage business risk. EB_101123

Copyright © 2023 Open Text Corporation. All rights reserved.

CARBONITE®
by opentext™