Disaster Recovery for SharePoint Applications

SharePoint is a crucial application for the daily operations of over 75,000 organizations and 160 million users worldwide. As such, downtime and data loss affecting SharePoint are not tolerable. That is why SharePoint is most often placed in the top-tier of business continuity plans — the tier that demands the most robust recovery objectives. While organizations agree that rapid and comprehensive recovery for SharePoint environments is essential, they differ regarding how to achieve this.

Traditional methods for protecting SharePoint require the duplication of infrastructure, operating systems, and other third-party applications, rendering it a highly expensive IT project — even prohibitively expensive for some organizations. Other, more affordable disaster recovery solutions may not support complex and busy applications such as SharePoint.

CloudEndure’s Disaster Recovery Solution for SharePoint

CloudEndure Disaster Recovery allows you to use your preferred cloud environment as an enterprise-grade business continuity/disaster recovery (BC/DR) solution for your SharePoint application, commonly reducing total cost of ownership (TCO) by 80%+ compared to traditional Disaster Recovery as a Service (DRaaS) solutions, while also improving recovery objectives.

CloudEndure is able to reduce disaster recovery costs by maintaining ongoing replication into a low-cost “staging area” located in a target cloud of choice, which reduces compute, storage, and software licensing footprints to a minimum. In the event of a disaster, CloudEndure triggers an automated large-scale orchestration and system conversion process (physical-to-cloud/virtual-to-cloud/cloud-to-cloud), recovering your entire SharePoint environment in minutes. Most importantly, CloudEndure automatically recovers SharePoint machines in a specific boot order, which is critical for most SharePoint versions.

Reduces Total Cost of Ownership (TCO)

- **Hardware** — When using CloudEndure Disaster Recovery, there is no need to pay for duplicate hardware, compute, or networking for a target site. A continually replicating version of all your data is kept up-to-date in your preferred target cloud, utilizing low-cost storage and lightweight compute. The more expensive recovery environment, using high-performance storage and actual compute to run the application, is only utilized when launched during a disaster or drill.

- **Windows & Third-Party Software Licenses** — In order for most disaster recovery solutions to provide robust protection and recovery of SharePoint, you need to purchase duplicate Windows and third-party software licenses to run SharePoint in your standby site. This can become prohibitively expensive given the high-cost of licenses for SharePoint and Windows (the only OS on which SharePoint runs).

With CloudEndure Disaster Recovery, you don’t need to purchase duplicate SharePoint, Windows, or third-party software licenses. Your SharePoint application and all other server data are kept in real-time sync in a dormant “staging area” that is not running Windows or any licensed applications. In the event of a disaster or drill, Windows will be launched on-demand in the target cloud, and you only pay for what

### FEATURES

- Block-level continuous replication
- Support of geographically remote target sites
- Automated machine conversion and application stack orchestration (including boot order support)
- Quick, non-disruptive installation
- Support for raw device mapping (RDM) disks
- Web-based control with centralized management
- Automated disaster recovery drills with no performance impact

### BENEFITS

- One disaster recovery solution for entire SharePoint environment, third-party software, and Windows
- 80% lower total cost of ownership (no duplicate costs)
- Near-zero Recovery Time Objective (RTO) & Recovery Point Objective (RPO)
- Increased reliability & high tolerance for network instability
- No vendor lock-in due to support of all source infrastructures
- Enterprise-grade security
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you use during the disaster period. In other words, you get robust resilience with Recovery Point Objectives (RPO) of sub-seconds and Recovery Time Objectives (RTO) of minutes at the cost of a cold standby solution.

**Increases Reliability**

- **Geographic Redundancy** — Best practice for disaster recovery stipulates the use of a target site that is located in a different geographic region than the source environment. In fact, short distances between source and target sites can be problematic from a regulatory perspective. CloudEndure Disaster Recovery enables the use of a target site in a remote geographic location while still providing continuous data protection with near-zero RPO and RTO.

- **High Tolerance for Network Instability** — CloudEndure Disaster Recovery is designed to keep data in sync, asynchronously, over long distances, regardless of the write rates or network conditions. In contrast, native replication products are designed to be used within a data center with low network latencies and are not a disaster recovery product designated to protect data across long distances. If you have a write-intensive system, your tolerance for network interruptions is very low.

**Protects Any Application**

- **Universal Application Support** — Whereas native replication tools such as Microsoft SQL Server Replication can recover the database component of SharePoint, they cannot recover all the other components, including the application server. CloudEndure Disaster Recovery does not have this limitation. In fact, not only does it replicate and recover the entire SharePoint environment, but CloudEndure’s data replication engine also natively supports other applications including third-party software, legacy applications, homegrown applications, OSs, and common applications such as SQL Servers, Exchange Servers, domain controllers, etc.

- **Block-Level Replication** — CloudEndure Disaster Recovery utilizes block-level replication rather than taking snapshots or writing data to disk. This is what enables 100% data integrity for SharePoint as well as Windows and surrounding applications.

**Provides Automated Disaster Recovery Testing**

- **Easy Implementation** — Any strong disaster recovery strategy must include the capability for frequent testing. However, many companies avoid launching frequent drills due to the significant overhead needed to do so and the fear that a failed drill will cause both temporary and permanent damage to the entire organization. CloudEndure Disaster Recovery provides automated disaster recovery testing for SharePoint, eliminating time-intensive manual processes, such as log shipping, that can take days.

- **Non-Disruptive** — CloudEndure Disaster Recovery enables non-disruptive drills that launch SharePoint and all workloads in your target site without impacting your source environment. All changes that take place in your source environment during the tests are saved and replicated.

**About CloudEndure**

CloudEndure provides Disaster Recovery and Live Migration for all applications, allowing enterprises to mobilize entire workloads to and across clouds with near-zero downtime and no data loss. Our Live Workload Mobility technology provides continuous, block-level replication and application stack orchestration — at the touch of a button, within minutes, and with the latest data.

CloudEndure supports physical, virtual, and cloud-based infrastructure as sources and Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure, OpenStack, and Oracle Cloud as target cloud locations. Whether you are seeking a Disaster Recovery solution or Migration tool, or both, CloudEndure ensures all your systems are always available. CloudEndure – All Systems Go.™

For more information, visit www.cloudendure.com.
Discover how CloudEndure can help your organization achieve affordable, enterprise-grade disaster recovery for SharePoint applications using the cloud.

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