

Six Reasons To Consider a 3-Data-Center Storage Strategy

CHECKLIST

The most important asset for most organizations is data. The loss of critical files or records, or even losing access to them for an extended period, can have a devastating impact on any business. Fortunately, there are ways to improve business continuity and disaster recovery capabilities.



Ensure Zero Data Loss

Making a copy of critical data and moving it to a separate location has always been a best practice for business continuity and disaster recovery. The proximity of the locations to each other determines the amount of data at risk of loss when disaster strikes. Two systems in close proximity allow for synchronous replication and zero data loss.

Join two nearby sites with active-active or active-passive synchronous replication. Both ensure zero data loss by confirming that all data is committed on both sites.



Protect Against Large Regional Events

Two sites may potentially be within the same impact zone of a major disaster, such as a large storm or power outage. Placing a third site outside any potential disaster zone using asynchronous replication ensures recoverability. The two regional sites provide business continuity; the third distant site enables disaster recovery. The key is to keep the topology as simple as possible.

Hitachi offers flexible 3-data-center configurations with automated, policy-based dataflows that combine regional synchronous replication with remote asynchronous replication, while eliminating complexity.



How Many Point Solutions Are Too Many?

Many disaster recovery strategies consist of a collection of application-specific point solutions that must be individually maintained and managed. These must then be individually executed at the time of a disaster. This situation results in “hidden” costs and risks to the organization. These “hidden” costs and risks only get worse as the organization scales up, provisioning new applications and/or data.

Hitachi storage can consolidate all your business continuity and disaster recovery processes using a flexible combination of fully automated in-system and remote replication capabilities.



Data Center Migration With Zero or Minimal Downtime

As data volumes grow and business demands change, there may come a time when the current production data center will no longer meet operational requirements. Moving to a new facility can be a complex, time-consuming and costly project. How do you complete the move without experiencing unacceptable downtime and while maintaining your data protection and disaster recovery profile?

Hitachi offers a range of nondisruptive data migration options. Our experts will help you choose the right technologies to allow the switchover with minimal impact.



Offload Secondary Access Requirements From Critical Systems

You store your most vital data on Tier 1 or Tier 1.5 storage to support the business processes that drive your success. Granting access to this data to secondary business operations, such as test and development, finance and big data analytics, can put an unwanted burden on your storage and hamper its performance.

Provide a frequently refreshed copy of the data in a separate system, often in a different location, and with zero impact on the production systems by using nondisruptive snapshots.



Maintain Control of Security, Resilience and Costs

There is a trend toward using third-party cloud service providers to host the second or third data center disaster recovery function, primarily to save on costs and reduce complexity. There are risks to this approach, including security and resiliency risks. There is also the risk that the provider goes out of business, making it nearly impossible to retrieve your data.

Hitachi offers cost-effective storage, business continuity and disaster recovery services for organizations that prefer to maintain total control of their data, with flexible acquisition options.

Download this [white paper](#) to learn much more about how Hitachi Vantara can help ensure your critical data is recoverable and available, no matter what happens.



We Are Hitachi Vantara

DataOps is the data practice for the AI era, connecting data consumers with data creators to accelerate collaboration and digital innovation. We are analytics, industrial expertise, technology and outcomes rolled into one great solution partner. Get Your DataOps Advantage.

Hitachi Vantara



Corporate Headquarters
2535 Augustine Drive
Santa Clara, CA 95054 USA
hitachivantara.com | community.hitachivantara.com

Contact Information
USA: 1-800-446-0744
Global: 1-858-547-4526
hitachivantara.com/contact

HITACHI is a trademark or registered trademark of Hitachi, Ltd. All other trademarks, service marks, and company names are properties of their respective owners.

CL-016-F BTD January 2020