

Business Continuity and Disaster Recovery for Healthcare

Successfully meeting internal and external compliance initiatives



2 out of 5 organizations **x \$432,000** per incident

Almost 40 percent of global healthcare organizations have experienced a costly unplanned outage in the past 12 months.

Once an emergency has passed, only 50 percent of respondents are confident in their organization's ability to restore 100 percent of the data required by SLAs.

Source: <http://www.meritalk.com/rx>

Patient and healthcare information is possibly the most highly regulated information on the planet, yet to deliver effective care, it must be available to healthcare professionals at all times. Making this difficult is that healthcare applications are typically very temperamental and complex - ensuring their availability is challenging.

Zerto Virtual Replication protects in the hypervisor, increasing the stability of the BC/DR strategy as it interacts with the hypervisor, and not the application itself. Medical applications are carefully configured so re-architecting them for any reason is challenging and could invalidate support agreements. Zerto Virtual Replication installs seamlessly into the existing infrastructure with no hardware or software reconfigurations required.

HOW CAN ZERTO HELP WITH HIPAA COMPLIANCE?

There are many components of HIPAA including a requirement that organizations must be able to recover from a natural disaster. The law does not specify the exact process, however, it does note that failure to adequately recover from a disaster could lead to noncompliance. Failure to comply exposes officers of the organization to repercussions, such as fines or jail time.

With Zerto Virtual Replication, healthcare organizations can quickly recover from natural disasters. The non-disruptive disaster recovery testing clearly demonstrates to compliance officers that a recovery plan is in place that will enable the fast recovery of applications and data. This doesn't satisfy the complete DR plan, as critical personnel and communications must also be documented. However, the most critical piece, as in, how can I ensure access to patient records, is solved with Zerto.

“ We were using an orchestration tool (SRM) with array-based replication, which required constant management and maintenance. In fact, we needed several weekend outages to prepare the environment just to test DR and we had to watch for any changes within the environment that could potentially break protection of virtual machines. Zerto Virtual Replication is completely aware of the environment, eliminates our need for weekend preparation work and simply elevates our DR/BC capabilities.”

—Mike Gelhar, Systems Engineer, Univita Health

LEVERAGING ZERTO VIRTUAL REPLICATION IN A HEALTHCARE ENVIRONMENT

Zerto Virtual Replication (ZVR) delivers the aggressive service levels these organizations need, while delivering on the promise of virtualization. ZVR extends the flexibility of virtualization to the BC/DR strategy and ensures the availability of patient information so doctors can deliver superior care fast.

Zerto Feature	How does it help Healthcare IT?
 Hypervisor-based Replication	Minimizes interactions with volatile healthcare applications while delivering robust BC/DR meeting stringent internal and external healthcare information requirements.
 Minimize risk	ZVR delivers recovery point objectives of seconds (RPOs) and recovery time objectives (RTOs) of minutes, ensuring fast access to information.
 Natively multi-tenant increases security across multiple sites	Electronic Health Records (EHR) are securely available across the healthcare network – doctors’ offices, hospitals and clinics. Replication between multiple sites to one shared infrastructure provides consistent disaster recovery across all locations, while reducing costs and ensuring secure data separation.
 Document Compliance with internal and external regulations	Robust reporting supports compliance with regulatory compliance such as HIPAA and others. The DR testing report demonstrates clearly that a viable recovery process is in place should an outage occur.
 Reduce IT costs to help manage healthcare costs	ZVR can replicate between different types of storage and servers, extending the life of existing hardware assets. Additionally, its simplicity means a dedicated DR team is not needed, reducing operational costs.

ADDITIONAL BENEFITS OF ZERTO VIRTUAL REPLICATION

- Simple protection: Replication and orchestration in one product simplifies management.
- Virtual aware: Replicate only the information necessary, the virtual machine, which reduces network and storage requirements and costs.
- No configuration changes required: ZVR installs seamlessly into the existing infrastructure in one hour – no hardware or software updates are needed.

SUMMARY

Zerto Virtual Replication ensures the protection and availability of patient and healthcare data so healthcare providers have access to the information they need to diagnose and recommend a course of treatment - fast. Leveraging a hypervisor-based replication solution eliminates dependency on hardware, reducing cost and complexity to improve patient care.

About Zerto

Zerto is committed to keeping enterprise and cloud IT running 24/7 by providing scalable business continuity software solutions. Through the Zerto Cloud Continuity Platform, organizations seamlessly move and protect virtualized workloads between public, private and hybrid clouds. The company's flagship product, Zerto Virtual Replication, is the standard for protection of applications in cloud and virtualized datacenters.

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