

HealthDATAVault™ BACKUP AND RECOVERY



Backup and Disaster Recovery Complete Portfolio: Offsite Backup, Replication, Disaster Recovery.

Secure, scalable enterprise-class healthcare data backup and disaster recovery services from the healthcare data center experts.

As the leading provider of healthcare data backup and recovery services, ClearDATA is the only healthcare exclusive cloud computing and backup services company that provides the broadest service options through its HealthDATAVault™ portfolio. Our flexible cloud-based backup and recovery solutions deliver the on-demand scalability, security, ease-of-management and compelling economics – all in a complete, integrated solution as either infrastructure as a service or fully managed as a service by ClearDATA.

The Importance of Backup and Recovery

When it comes to disasters, the question isn't if, but when they will occur. They can range from minor power outages to catastrophic floods, but more often result from malicious tampering, computer failure, hardware theft, computer viruses, or hacking. Equally common is the disaster of simply deleting a file accidentally.

Healthcare organizations must be proactive to ensure that when a disaster occurs, their data will be protected, so they can get back to work as quickly as possible. If you're like most organizations, you rely on your computer systems to keep day-to-day operations running smoothly. Any unexpected downtime—such as when systems are out of operation or become inaccessible—can result in serious consequences, including reputation damage, lost revenue, or legal liability. If your data isn't protected when a serious glitch occurs, the digital assets that drive your business can be permanently lost.

Many organizations don't have the time and resources to deal with the ongoing maintenance and management of their applications, software, tape backup and hardware. This is where our Backup to remote computers in the cloud comes in. Data is automatically stored offsite, safe in the event of a natural disaster. It is also suitable for an increasingly mobile workforce, as data can be restored from anywhere with an Internet connection. Whether for messaging security or data storage and protection, healthcare organizations are increasingly turning to cloud-based solutions they can trust to ease the burden on their time and resources.

Key Benefits

- **Easy** – Backup and Restoration available 24/7 with only a few clicks of the mouse or no touch automated offsite backups - reduce business complexity
- **Flexible** – Include entire systems or individual files, unlimited storage, a local option adds further redundancy, support all healthcare organization types and sizes
- **Secure** – HIPAA compliant encryption, SSL VPN and IPSec tunnel for secure cloud recovery, user and group level access control, best-of-breed retention policies
- **Reliable** – Geographically distributed data centers, 24/7/365 monitoring by data protection specialists
- **Affordable** – no hardware, software, or maintenance costs

The HealthDATAVault™ Advantage

Gain greater control and peace of mind while boosting efficiency and reducing costs – all with minimal upfront investment.

- Reduce costs by 75% over traditional tape backup
- Gain piece of mind with a fully redundant backup environment
- Reduce time and headaches associated with backup servicing and maintenance
- Enjoy flexible options to suit your specific needs
- ClearDATA serves over 10,000 providers

Achieve all this and more without the cost and hassle of buying servers, tape backups, and paying upfront hardware and licensing fees.

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Tiered Backup and Recovery Offerings, Disaster Recovery Starts with Online Data Backup

Centrally-managed, automated online backup and data protection services have been shown to decrease costs substantially compared to tape-based solutions. Thanks to the savings gained through the elimination of tapes, tape drives, offsite tape storage and transportation, labor, and maintenance; online data protection services have been shown to decrease costs by as much as 75%. Further, the costs and time devoted to backups are wasted if your data cannot be recovered quickly, easily, and reliably. Restores from tape are labor-intensive and costly; restoring a single file often takes hours and the failure rates associated with tapes are unacceptable in today's information age. With no capital equipment costs, maintenance, or labor commitment – not to mention tape failure – ClearDATA's HealthDATAVault online, offsite data protection service offers significant advantages over tape. Learn more about the advantages of online offsite backup over tape.

The first two critical steps to a data recovery plan are to ensure disciplined backup and offsite storage. With ClearDATA's HealthDATAVault Backup service, both of these steps are combined and automated, giving you a 100% recovery reliability should a disaster occur. Recovery for small losses is done with a few mouse clicks, over the wire. Larger volumes are recovered from a Mobile HealthDATAVault - a portable disk device that carries a protected copy of your backup to your recovery site.

Cloud Data Archive and Storage Virtual Recovery (standby virtual machines)

ClearDATA has perfected a way to marry your backup data with standby virtual servers that can be accessed remotely following an outage. Server virtualization enables us to offer recovery servers that can be activated with your production server image. The result is a near exact, running replica of your production servers ready to be accessed from users remotely.

Data Replication & High Availability

For applications that won't tolerate downtime, ClearDATA offers real-time replication to keep you running. From our headquarters and flagship datacenter, ClearDATA is uniquely positioned to either host your critical applications in a highly available infrastructure or let us be the target host of your replication solution, maintaining a virtual replica while you manage the production master.

Regulatory Requirements - HIPPA Rules on Backup and Recovery

§164.308(a)(7)(ii)(A) Establish and implement procedures to create and maintain retrievable exact copies of electronic protected health information.

§164.308(a)(7)(ii)(B) Establish (and implement as needed) procedures to restore any loss of data.

§164.308(a)(7)(ii)(C) Establish (and implement as needed) procedures to enable continuation of critical business processes for protection of the security of electronic protected health information while operating in emergency mode (i.e. a business continuity plan).

Product	Features
Online Offsite Backup	<ul style="list-style-type: none"> • Reduce and control cost • Offsite data backups of servers, desktops and laptops • Daily incremental backup, weekly bulk • Fast data transfers with low network utilization • Advanced data compression and de-duplication • All applications and files
Server Storage & Archive Virtual Recovery Machines	<ul style="list-style-type: none"> • Replicates your data offsite • Restores are instantaneous with direct file-level access to your data at all times • All Windows OS, data, and applications
Data Replication & High Availability	<ul style="list-style-type: none"> • Real-time replication for zero downtime • High available infrastructure • Target host of replication solution or maintain virtual replica
PACS / Imaging Backup Services & Archiving	<ul style="list-style-type: none"> • Redundancy with offsite backup services • Full long-term image archiving solutions, with multiple flexible configurations supporting gateways, DICOM and non-DICOM

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