

# A "Hands-Off" Approach to Remote Server Data Protection

## Server backup and recovery for remote offices, and small and mid-sized businesses

Iron Mountain's LiveVault is a complete backup and recovery solution for remote offices, and for small and medium sized businesses that combines proven disk-based and online technologies to radically simplify the protection of company servers with reliable, automated backup and rapid recovery. Just perform the initial set-up and you'll have a nearly "hands-off" system for comprehensive server data protection.

### How it works

Iron Mountain's LiveVault solution uses the Internet or Wide Area Network and disk technologies to continuously back up servers. The data is then stored either off-site at secure Iron Mountain Facilities or at your data center where it can be retrieved and restored with just a few mouse clicks. Supported platforms include Linux, Sun Solaris and Microsoft® server platforms. An optional onsite appliance is also available for rapid recovery of recent backup volumes.

The LiveVault server backup and recovery solution fully automates and streamlines the protection of your data through an easy, automated service that:

- Achieves business continuity and data protection with limited or no IT involvement
- Automatically moves data off-site to a secure facility
- Provides reliable backups and rapid recovery
- Delivers point in time recovery of server data through continuous backup
- Archives data with long-term history that you define
- Removes the costs, hassles and human error associated with tape backup

The LiveVault server backup and recovery solution provides the following essential functions:

- Fully Automated Backup and Assured Recovery
- Rapid Recovery
- Central Management
- Continuous Backup
- Flexible Bandwidth Management

### Fully automated backup and recovery

With the LiveVault solution, backups are performed automatically and continuously, so data is protected as it's created. The LiveVault solution provides fully automated backup over the Internet or private network connection, for uninterrupted enterprise productivity. Data is moved off-site to a remote and secure Iron Mountain Data Center, without manual IT intervention.

At every step – from the moment it leaves your server until it's safely stored in our remote facility – your data is completely secure and carefully protected, using the same stringent measures, protocols and standards that financial institutions use to protect their data. The Iron Mountain server backup and recovery solution encrypts all data at the source with a unique key that only you have using 256 bit AES encryption. For an additional layer of protection, the server backup and recovery solution uses the Secure Socket Layer (SSL) to establish a secure, resilient communication tunnel to the off-site Iron Mountain storage facility.

Even recovery is automated and fast. You select the data to be recovered from a catalog of archived file versions and LiveVault automatically restores the data to your location. With LiveVault, the time you save on backup and recovery lets you focus on more mission-critical projects for your business.

## Rapid restoration

LiveVault provides a unique DeltaRestore capability that drastically speeds restoration for a common cause of data loss: data corruption. Now, instead of restoring an entire file or database after corruption or inadvertent change, LiveVault restores only the data that changed. If, for example, when a virus corrupts a few messages within a large Microsoft Exchange database, LiveVault "rolls back" the database to the exact state it was in at a point prior to the corruption, reconstructing the database rapidly by restoring only changed data.

An optional Rapid Recovery Appliance is available for local, disk-speed recoveries of current data and recent history. This simple-to-install appliance enables you to quickly recover large amounts of data while meeting the most stringent Recovery Time Objectives (RTO). The Rapid Recovery Appliance requires no maintenance or manual operation and maintains recoverable copies of all current data plus a rolling "data history" of recent versions that are always available for instant local recovery.

## Centrally managed

With LiveVault, you retain complete control of your backup operations. Through the LiveVault Web Management Portal, you can manage and monitor the entire data protection workflow including backup, off-site storage, archiving and recovery from a Web browser anywhere, anytime. You can create customized backup policies, check status, delegate responsibilities across your enterprise, and initiate restore operations whenever needed.

Roles-based access control lets you define access levels for various user classes across your organization. You can also control archival requirements to ensure your remote offices conform to corporate and regulatory guidelines.

## Continuous backup

The LiveVault solution delivers point in time recovery of server data through continuous backup. For example, if a virus corrupts your database server, you can use the Web Management Portal to simply rollback the database to its previous state just prior to the corruption. Continuous backup enables you choose the exact version of the file to recover from numerous point-in-time versions each day, for vastly improved Recovery Point Objectives (RPO). The LiveVault solution also provides built-in protection of open files and databases, without complex plug-ins or costly third party tools.

## Flexible bandwidth requirements

After an initial backup, the server backup and recovery solution transmits only the changes to files to minimize bandwidth consumption. Bandwidth throttling also enables you to control the amount of bandwidth used during specified time periods.

## Subscription service or licensed software

The LiveVault server backup and recovery solution can be delivered in two ways: Subscription service provides secure, off-site data storage, instant scalability and unmatched ease of use, and requires no capital investment. Licensed software allows organizations to run the server backup solution inside their own IT environments. Delivery is from Iron Mountain or through partner providers.

Interested in data protection for remote servers? Click on the following URL for more information: <http://www.ironmountain.com/dataprotection/server/sbackup.asp>

