

LiveVault® Provides Complete Protection for All Microsoft® Exchange Server Backup and Recovery Requirements

LIVEVAULT PROVIDES SUPERIOR PROTECTION OF YOUR EXCHANGE SERVER

Iron Mountain's LiveVault, an automated server backup and recovery solution, automatically and continuously backs up your Microsoft® Exchange Server to a secure off-site vault, from which it can be quickly and easily restored in the event of human error or a virus attack, system failure or disaster. LiveVault is offered as licensed software and as a managed LiveVault service.

You now have a simple and powerful way to protect every element needed to make an Exchange Server function as it did before a data loss incident. LiveVault can restore the operating system, Internet Information Server (IIS), Active Directory, storage groups, system state information and all associated data. Moreover, with LiveVault, you can recover to newer or different hardware — an important consideration in today's world of changing computer systems.

RECOVERY POINT OBJECTIVE (RPO): LIVEVAULT CAN RECOVER TO WITHIN MINUTES OF A FAILURE

To maximize your Exchange protection, use LiveVault to continuously protect your entire Exchange Server while taking advantage of Exchange capabilities to continuously protect against deleted email and mailboxes. You can recover your complete Exchange environment or an Exchange storage group to a point within 15 to 30 minutes of the failure.

LiveVault meets stringent Recovery Point Objectives (RPOs). This is a significant advance over traditional approaches that only provide you with last night's data. This functionality is inherent to LiveVault's backup capabilities.

RECOVERY TIME OBJECTIVE (RTO): LIVEVAULT CAN RECOVER AT DISK AND LAN SPEED

For corruption events, LiveVault's DeltaRestore™ reduces your restore time to minutes. To minimize your recovery time for a critical application such as Exchange, LiveVault's optional TurboRestore™ Appliance is available, allowing you to back up on-site as well as to a secure off-site facility. With our TurboRestore Appliance, you can restore at disk-to-disk speed over your LAN. If you use LiveVault Service and experience a total site loss, LiveVault will overnight ship your Exchange environment on a Media Restore Device to a location you specify, such as a disaster recovery center.

RECOVERY OF INDIVIDUAL MESSAGES AND MAILBOXES

You no longer need to worry about doing brick-level backup as a way to recover individual messages and inboxes. Pulling the integrated Exchange databases apart into separate message stores (.pst files, a.k.a. bricks) for each user is time-consuming, unreliable and greatly increases the amount of Exchange data that must be backed up and managed. The costs and inefficiencies of this approach are so great that many avoid it altogether, while others use it for only a small number of users. Creating and backing up bricks originated when there was no other workable way for conscientious IT professionals to respond to the need to back up individual messages and mailboxes. Today, there are much better methods.

Microsoft Exchange Server allows an administrator to specify retention periods for deleted messages, typically 30, 60 or 90 days. With this feature, an administrator can easily recover deleted messages from within Exchange without having to rely on their backup system. The only “cost” of this feature is the incremental size of the database; however, this increment in storage is far less than making separate backups as bricks. Also, Exchange has the ability to retain deleted inboxes in addition to deleted messages.

In the case of recovery from historical backups, LiveVault offers these methods of recovery:

- **Standard:** For Microsoft Exchange 2007 and 2003, you can restore the backed-up database through LiveVault and mount it in the Exchange Recovery Storage Group. The necessary items can be migrated from the Recovery Storage Group to the live production Storage Groups using the standard Microsoft Exchange tools.
- **Advanced:** For Microsoft Exchange 2003, you can restore at a more granular level, either by Storage Group or Data Store from a LiveVault historical backup.

Otherwise, you can restore the required storage group to a temporary directory and use a third-party tool to extract the items of interest. If the restore is done from LiveVault’s optional TurboRestore Appliance, the data will be restored at disk-to-disk LAN speed.

LIVEVAULT AND EXCHANGE — THE COMPLETE BACKUP SOLUTION

LiveVault and Exchange provide you with an integrated and automated total solution for Exchange backup and recovery. A total solution includes:

- Off-site vaulting
- Extremely fast recovery from server failure or corruption
- Long-term retention
- Effective, fast and powerful message and mailbox recovery

LIVEVAULT BENEFITS SUMMARY FOR EXCHANGE SERVER PROTECTION

In planning a backup and recovery solution, you should identify the risks to data protection and your recovery objectives as well as assessing the reliability of your solution in stressful situations. LiveVault optimizes your data protection strategy for server data by delivering the following key benefits:

- **Guaranteed recovery.** All the data you protect with LiveVault Service is backed by a Service Level Agreement.
- **Automatic, secure off-site vaulting** protects your data from disaster.
- **Archive historical backups** for up to 7 years.
- **Disk-to-disk LAN speed recovery**, with LiveVault's optional TurboRestore Appliance for server failures, features overnight shipment of your data stored with LiveVault Service to a location of your choice in the event of a site loss.
- **No daily labor, monitoring and vigilance needed.** You do not have to check logs every day. There are no tapes to handle, catalog or transport. LiveVault Service provides 24x7 professional monitoring. You have peace of mind and more time for other, more value-driven, activities.
- **Continuous backup protection with multiple point-in-time versions for recovery** enables you to restore your systems up to the time disaster strikes, or within minutes of a corruption, rather than working with yesterday's data.
- **Full system recovery** capability is achieved by protecting your entire Exchange environment, including Active Directory, operating system, system state, Exchange and the databases. Recovery can be directed onto newer or different hardware.
- **Efficient use of bandwidth** provides fast and efficient backup and restores by transmitting only the data that changes and using only the amount of bandwidth you specify.
- **Open file support** means all your Exchange data can be backed up while your systems are running, without the use of third-party tools.
- **Convenient and easy-to-use interface** provides you with control over your backup and restores from virtually anywhere, anytime.
- **Total security** is virtually achieved with end-to-end 256-bit AES encryption and SSL tunneling.

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