



## LiveVault InSync Provides Complete Protection for all Exchange Backup and Recovery Requirements

### LiveVault Provides Superior Protection of Your Exchange Server

The LiveVault InSync Backup and Recovery Service automatically and continuously backs up your Exchange server to a secure off site vault, from where it can be quickly and easily restored in the event of human error, virus attack, system failure, or disaster.

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 InSync can restore the operating system, Internet Information Server (IIS), Active Directory, storage groups, system state information and all associated data. Moreover, with LiveVault InSync 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 InSync to *continuously* protect your entire Exchange server while taking advantage of native 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 native to LiveVault's backup capabilities.

### Recovery Time Objective (RTO): LiveVault Can Recover At Disk And LAN Speed

To minimize your recovery time for a critical application such as Exchange, backup to an optional on site LiveVault TurboRestore Appliance as well as to the secure off site facility. With a TurboRestore Appliance you can restore at disk-to-disk speed over your LAN, unless you have a total site loss. For a site loss, LiveVault will overnight ship your Exchange environment on a NAS device to a location you specify, such as a DR center. Additionally, for corruption events, LiveVault's DeltaRestore reduces your restore time to minutes.

### 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 has always been a lot of effort, unreliable, and greatly increases the amount of Exchange data that has to 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 came about because at the time there was no other workable way for conscientious IT professionals to respond to the need. Today it is an antiquated approach - there are much better methods.

Exchange 5.5, 2000 and 2003 allow an admin to have deleted messages retained for a period of time they choose, typically 30, 60 or 90 days. With this feature, an admin can easily recover deleted messages natively from within Exchange without having to rely on the 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. Exchange 2000 added the ability to retain deleted inboxes in addition to deleted messages and this carried over to Exchange 2003.

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Only in the case of recovery from very old backups is there a need to turn to LiveVault for recovery of these objects.

- With Exchange 2003, restore the storage group from a LiveVault historical backup as an Exchange Recovery Storage Group. The needed items can be exported with the Exchange tools for managing the Recovery Storage Group. (The Recovery Storage Group is new in Exchange 2003.)
- Otherwise, you can restore the required storage group to a temporary directory and use a third party tool to extract the items of interest.

In either case, if the restore is done from an optional TurboRestore Appliance, the data will be restored at disk-to-disk LAN speed.

### **LiveVault InSync and Exchange – The Complete Backup Solution**

LiveVault InSync 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 InSync Benefits Summary for Exchange Server Protection**

In planning a backup and recovery solution you should identify the risks, the recovery objectives, and assess the reliability of your solution in stressful situations. Remember these LiveVault InSync benefits:

- **Guaranteed Recovery** – all the data you protect with LiveVault is backed by a Service Level Agreement.
- **Automatic, secure off-site vaulting** protects your data from disaster.
- **Archiving of historical backups** for up to 7 years.
- **Individual Item Restores** – that allow you to restore individual messages, public folders and mailboxes taking full advantage of native Exchange functionality.
- **Disk-to-disk LAN speed recovery** with a TurboRestore Appliance for server failures. Overnight shipment of your data to a location of your choice in the event of a site loss.
- **No daily labor, monitoring and vigilance.** You don't have to check logs every day. There are no tapes to handle, catalog or transport. LiveVault provides 7x24 professional monitoring. You have peace of mind, and more time for other activities.
- **Continuous backup protection with multiple point-in-time versions for recovery** so that you can restore your systems up to the time disaster strikes, or within minutes of a corruption. Not just yesterday's data -- today's.
- **Full system recovery** capability by protecting your entire Exchange environment, including Active Directory, operating system, system state, Exchange and the databases. Recovery can be done onto newer or different hardware.
- **Efficient use of bandwidth** by only transmitting the data that changes using only the specified amount of bandwidth, to provide fast and efficient backup and restores.
- **Native open file support** so 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** that provides you with control over your backup and restores from virtually anywhere, anytime.
- **Total security** with end-to-end 256-bit AES encryption and SSL tunneling.