



LiveVault from Backup Direct™ provides all Exchange backup and recovery requirements

LiveVault Provides Superior Protection of Your Exchange Server

The LiveVault Backup Service from Backup Direct™ 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 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 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 centre. 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.

