



What if you could design an Exchange backup solution to give you total peace of mind? What would it be? Quick to set up? Elegantly simple to use? Scalable to accommodate your e-mail growth? Designed and supported by a community of Exchange engineers like you? Oh, and inexpensive too?

It's not that we're psychic. We were founded by Exchange engineers who know what it takes to manage complex e-mail environments; they pooled all of their "what if's" and designed **Replay for Exchange**: a comprehensive solution for lightning fast backup and disaster recovery. Replay for Exchange solves some of the most costly and time consuming challenges faced by Exchange admins.

## SET UP IN MINUTES

Once you've installed Replay, you're just 5 clicks from total application protection and recovering from any failure.

## CONTINUOUS & AUTOMATIC

The Replay agent works quietly and efficiently in the background recording the changed blocks. Application-consistent snapshots are performed and changed blocks are copied to the Replay server. There, the blocks are then compressed, de-duplicated and efficiently stored as point-in-time images. The image includes your operating system, system state, and your application data completely eliminating your backup window and reducing your application server overhead by over 30%.

## RESTORE ANYTHING TO ANYWHERE

With Replay, if one of your users accidentally deletes or loses an important e-mail, file, database, or storage group, it takes only a few clicks to get them back. If the server fails, just rewind to the last known good image. If you need to migrate to new hardware safely, just restore the image to a new server.

## How it Works

**Replay for Exchange** eliminates overhead from off-host processing of backups, while delivering continuous image protection. It quickly searches, recovers, and analyzes mailbox content for easy e-Discovery, and restores individual email messages, folders, or mailboxes to a live Exchange server or directly to a PST.

- Off-host processing of backups eliminates overhead and delivers continuous image protection.
- Data Store Corruption detection guarantees reliable and predictable recoveries.
- Quickly search, recover, and analyze mailbox content for easy e-Discovery.
- Restore individual email messages, folders, or mailboxes to a live Exchange server or directly to a PST.

## Eliminate Lost Productivity & Save Money

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**Replay for Exchange** is affordable and easy-to-use for browsing, recovering, searching, exporting, and analyzing e-mail and mailbox content directly from a Microsoft Exchange Data Store (EDB). It uses continuous corruption detection, to ensure your backups are guaranteed to recover successfully. If corruption is detected, the right people are notified and you can use our remediation tools to fix the problem. It also performs detailed integrity checks off-host, totally eliminating the backup overhead on the application server while delivering continuous imaging throughout day. This means you'll always have a good image to can roll back.

These benefits usually come at a cost, but **Replay for Exchange** actually reduces disk space requirements by up to 70% with built-in data de-dupe and compression. Disk to Disk backup offers the option to eliminate tape and tape infrastructure. Set and forget backups mean less time spent on managing backups and built in backup testing means less time spent on recovery or recovery scenario testing. Best of all, with Replay for Exchange you can recover a message, file, database, storage group, or entire server from bare-metal in just a few clicks.

## Features

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- Off host processing (RPO) – only 1-2% overhead on production servers
- Continuous imaging of application servers to a centralized management server, up to 96 full images a day
- Automatic and continuous corruption detection for Exchange data stores
- Unique compression and de-dup reduces disk space costs associated with DR
- Live rollbacks of volumes, supports live Exchange recovery
- Bare metal recoveries of entire server with dissimilar hardware support available
- Read/Write mountable recovery points for data mining and database maintenance purposes
- Define an optional backup window during which Replay VSS snapshots are suspended
- Export recovery points to bootable virtual machines
- Transportable image exports to NAS, USBs
- Scalable solution, designed for transactional application environments with low impact to production servers
- Flexible backup retention policies
- Centralized backup and corruption monitoring status alerting
- Supports Windows Server 2003 and Windows Server 2008 and Exchange 2003 and 2007
- Push button failover to virtual standby – Virtual high availability
- Push button failover to physical standby – Physical high availability
- Supports p2v,v2v,v2p,p2p migrations
- Exception alerting to Windows event log or to e-mail
- Network login credentials and IP configuration built into RRC Builder ISO files
- Advanced Exchange 2007 Log Truncation - Truncate active CCR node based on passive CCR node protection
- Message level recovery without “brick-level” backups
- Improved e-mail discovery capabilities across multiple Exchange data stores
- BlackBerry protection

Replay for Exchange with Enhanced Disaster Recovery (DR) includes additional DR features that increase the flexibility of recovery and improve speeds and feeds.

## Leveraging Virtualization for Disaster Recovery

Replay for Exchange with Enhanced DR provides a centralized backup and recovery solution that automatically and continuously images your Windows virtual workloads delivering accelerated application backups and disaster recovery while reducing the load on production VMware ESX, VMware Server and Microsoft Hyper-V hosts.

- Protect your mission-critical Exchange workloads including the operating system, application and the application data with a single centralized solution.
- Decrease planned and unplanned downtime for improved business continuity.
- Reduce storage and other backup related costs.

### STEP 1

A Replay agent is installed on the Exchange server. The agent is responsible for continually collecting volume block-level changes for the entire virtual machine and ensuring that the snapshots are application consistent. The block changes are transferred to the Replay server at the rate of 2GB/minutes with only a 1-2% impact on the guest while delivering 96 snapshots per day. The agent supports 2003/2008 Windows Server workloads including Exchange 2003 / 2007, Blackberry Enterprise Servers, and all Exchange role servers.

### STEP 2

The Replay server maintains the snapshot as incremental images that are compressed and de-duplicated. The compression rate is between 50-80% depending on the data formats. A retention policy can be defined to control how long then recovery points are available for recovery and historical discovery needs. The default is 1 month. The individual data stores are validated against data store corruption. All of the backup processing is offloaded from the production server improving the performance of Exchange.

### STEP 3

With VMware instantiations, the images can be automatically exported and continuously maintained as VMware virtual standby environments enabling push-button workload failover directly from VMware ESX and VMware Server 2.0 supported file systems. The images can be used for V2P, P2V, V2V migrations or for bare-metal to individual file level recoveries.

Replay for Exchange with Enhanced Disaster Recovery enables DR Windows application workloads from a centralized Replay server by mirroring the image of the protected server to another physical or virtual server in real-time. The images are continuously mirrored from the Replay server directly to a standby server in a secure and bandwidth-efficient way. The standby server is an exact clone of the protected server, so in the event of an emergency, simply boot the standby server for full recovery. This enables risk-free approach for testing DR preparedness, patches and updates for your mission-critical applications. Virtual machines are automatically created and maintained directly on an ESX™ VMFS file system, eliminating the need to migrate virtual machines in a disaster scenario.