



# EMC® Retrospect® 7.7 for Windows

## Data Protection for Small and Medium Business & Home Networks

EMC Retrospect delivers powerful yet easy-to-use data protection for your servers, 24x7 applications, desktops, and notebooks. It protects your business from data loss due to user error, computer failure, or site-wide disasters. Retrospect protects millions of computers world-wide and consistently earns top awards and broad industry acclaim for its unique patented technology.

### Easy to set up and manage

Robust data protection doesn't have to be complex. Retrospect's intuitive wizards get you up and running quickly. Backup operations are automatically adjusted to ensure that all computers are protected without requiring manual intervention. With Retrospect there is no need to write new backup scripts each day to keep backups running smoothly. And user-initiated restores enable end users to perform fast onsite recovery of their data without putting a strain on IT resources.

### Avoid weekly full backups

Unlike other backup applications, Retrospect delivers fast incremental backups while still providing accurate restores. Retrospect does this by creating a list of hard drive contents during each backup. Retrospect later uses this list to select the exact data necessary to perform an accurate restore to a prior point in time. With Retrospect you get a perfect restore every time. Other software doesn't utilize such a list and therefore can only provide an accurate restore to the day a full backup was performed.

### Disk-to-disk-to-tape backups

Retrospect protects more computers in less time when utilizing disk as a backup destination. For offsite protection, create *synthetic full* sets of tapes by rapidly streaming data from the backup disk, eliminating the need to perform another backup over the network so applications and users remain unaffected. Establish a policy that retains a set number of backups and automatically removes older data to make room for newer backups. You never have to perform a full backup again.

### Highest level of security for backup media

Retrospect delivers the strongest possible security for your backup media using U.S. government-certified 128-bit and 256-bit AES encryption. With AES encryption, unauthorized individuals cannot access information stored on backup media in the event that it is lost, stolen, or misplaced.

### Retrospect 7.7 features

#### Disaster recovery

During the normal course of performing backups, Retrospect automatically gathers all the necessary information—including the operating system, applications, and all settings—to completely restore a computer that has failed. In the event of a catastrophic failure, simply use the included or downloadable Retrospect Emergency Restore CD to restore your data.

#### 64-bit support

Retrospect 7.7 takes full advantage of 64-bit processors and memory addressing to handle very large data sets.

#### VMware integration

Retrospect 7.7 server editions and above integrate with VMware Consolidated Backup (VCB), enabling you to backup your virtual machines without disrupting users and applications for both image and file-based backups.

### Supports Microsoft Windows® 7!

## Retrospect 7.7 for Windows Editions

**Retrospect Multi Server Edition** runs on Windows 7 and other Windows operating systems, and provides licenses to protect an unlimited number of networked servers. In addition, Multi Server protects unlimited Windows, Macintosh, Linux, and Solaris desktops and notebooks, and now provides complete disaster recovery in the event of a catastrophic loss of data. Add-ons enable backup and restore of open files, SQL servers, and Exchange Servers.

**Retrospect Single Server Edition** runs Windows 7 and other Windows operating systems, and provides licenses to protect the host server and an unlimited number of networked Windows, Macintosh, Linux, and Solaris desktops and notebooks. In addition, Single Server now offers complete disaster recovery in the event of a catastrophic loss of data. Server Client licenses can be purchased to protect additional networked servers. Other add-ons enable backup and restore of open files, SQL servers, and Exchange Servers.

**Retrospect Small Business Server Premium** is designed for a business with a server running Windows Small Business Server Premium edition operating system. It provides licenses to protect the host server plus networked Windows, Macintosh, Linux, and Solaris desktops and notebooks, and now offers complete disaster recovery in the event of a catastrophic loss of data. Server Client licenses can be purchased to protect additional networked servers. The Small Business Server Premium product also includes support for SQL and Exchange.

**Retrospect Small Business Server Standard** is designed for a business with a server running Windows Small Business Server Standard edition operating system. It provides licenses to protect the server plus networked Windows, Macintosh, Linux, and Solaris desktops and notebooks. In addition, Retrospect Small Business Server Standard now offers complete disaster recovery in the event of a catastrophic loss of data, and support for Exchange. Server Client licenses can be purchased to protect additional networked servers.

**Retrospect Disk-to-Disk Edition** runs on Windows 7 and other Windows operating systems. Disk-to-Disk backs up only to disk or optical media, protecting a single Windows server, and now provides complete disaster recovery in the event of a catastrophic loss of data. Disk-to-Disk is a low-cost and easy-to-manage alternative to tape drives and autoloaders.

**Retrospect Professional** runs on Windows 7 and other Windows operating systems, and includes two client licenses to protect networked Windows, Macintosh, Linux and Solaris desktops and notebooks. In addition, Retrospect Professional now offers complete disaster recovery in the event of a catastrophic loss of data, and open file backup support. Client licenses can be purchased to extend protection to additional desktops and notebooks.

## Retrospect Reviews and Awards

MacUser

MacUser Magazine

Four Mice 

August, 2009

"This long-awaited awaited update is easier to use than ever."

Macworld  
THE MAC PRODUCT EXPERTS

Macworld UK

Four Stars ★ ★ ★ ★

August, 2009

"We were very impressed with this new version of an office veteran... Using the Getting Started guide, it should be possible for even a first-time user to set up a fairly complex scheduled backup regime... Retrospect is an essential upgrade for all conscientious network managers."



Diogenes Labs/ Storage  
Magazine Quality Awards  
September 2008

"Retrospect retained its crown as the group champion... EMC took top honors by winning every section of the survey."



Diogenes Labs/ Storage  
Magazine Quality Awards  
September 2007

"In the small- to medium-sized business (SMB) category, EMC Retrospect returned to the top spot after a one-year hiatus. "It supports Mac clients, Linux clients and Windows; it's very unusual to get that range of support," says M. Volaski, systems administrator at Albert Einstein College of Medicine. "In terms of features, it's the best you can possibly imagine," he says."

PCWORLD

PC World

January 2007

"Retrospect Express HD's keep-it-simple, set-it-and-forget-it philosophy rapidly won me over."

## Protects servers, 24x7 applications, desktops, and notebooks

Protect heterogeneous networked computers	Back up Windows, Mac OS X, Mac OS classic, Red Hat Linux, SUSE Linux, Solaris, and NetWare computers automatically to a central Windows backup server. Retrospect 7.6 has added support for newer versions of operating systems.
Server backup	Back up servers faster than ever. Retrospect 7.6 utilizes an improved method when collecting NTFS Security information on Windows servers, resulting in significant performance improvement. To back up networked servers, purchase Retrospect Multi Server or additional server client licenses.
Desktop and notebook backup	Protect desktops and notebooks, which contain up to 80% of a business's critical data. Clients are backed up when they become available on the network, rather than on a fixed schedule. This is especially useful for notebooks, which are not always connected to the network. Backup verifications can be done outside the backup windows, allowing more networked computers to be protected each day.
Online backup	Safeguard your most critical data to a protected offsite data center with Mozy online. In the event of a disaster such as theft, fire, or flood, data remains secure and encrypted-available for restore from any computer connected to the Internet.
Protect Microsoft Exchange Server 2007	Optional add-on now supports the recovery storage group in Exchange 2003 and 2007 for restores. Protects Exchange Server 2007 while it is up and running. Easily back up and restore the entire Exchange database, Storage Groups, public folders, and individual mailboxes including messages, calendar entries, and tasks. Automatically includes new mailboxes for backup as they are added.
Protect Microsoft SQL Server	Optional add-on protects Microsoft SQL Server databases while in use, including SQL Server 2005 32-bit and 64-bit editions.
Open file backups	Optional add-on protects files on Windows NTFS file systems that are open and in use. This is especially useful for Outlook protection on desktops and notebooks or for round-the-clock applications including CRM, accounting, and proprietary applications.
Protect entire computers	Back up the operating system, system configuration, device drivers, and settings in addition to user data on networked computers.
Back up large volumes	Protect up to four million files per volume.
Works with virus protection software	Compatible with your existing virus protection software, ensuring virus-free backups.
64-bit support NEW!	Retrospect 7.7 takes full advantage of 64-bit processors and applications. The Retrospect installer will automatically install either the 32-bit or 64-bit application based on the operating system that is running.
Archives data	Retrospect can perform traditional backups or, optionally, can delete files and folders from hard drives after they have been copied to tapes for long-term storage.
File level deduplication	Retrospect recognizes identical files on desktops, notebooks, and file servers and backs up just one copy, saving time and space on the backup media.
VMware™ integration NEW!	Retrospect 7.7 Disk-to-Disk and above integrate with VMware Consolidated Backup (VCB), allowing you to back up virtual machines without suspending them or shutting them down. For additional information on VCB integration please refer to the Retrospect 7.7 User's Guide Addendum.

## Easy to set up and manage

Intuitive wizards	Streamline setup, scheduling backups, performing restores, and copying files and folders.
Automated scheduling	Backups can run automatically at any time on an hourly, daily, weekly, or monthly schedule.
Self-adjusting backup operations	Backup operations are automatically adjusted to ensure that all computers are protected without requiring manual intervention by IT staff. With Retrospect there is no need to write new backup scripts each day to keep backups running smoothly.
Push installation of client software	Ensure new Windows computers automatically get backed up. Utilize Active Directory Group Policy or Microsoft Systems Management Server (SMS) to push the Retrospect client out to new Windows computers as they are added to your network.
Automatic client login	After the Retrospect client has been installed onto a networked Windows computer, Retrospect will automatically find the client computer and log it in so that it can be backed up. Existing clients can be updated as required by the Retrospect backup server.
User-initiated restores	Optional add-on allows users to restore their own data to their desktop and notebook computers using a Web browser, saving time and effort for backup administrators.
Automatic software updates	Retrospect regularly checks for software and driver updates over the Web and notifies administrators when they are available.
Automatic device detection	Retrospect recognizes supported backup devices, eliminating the need to load and configure device drivers manually.
Data filters	Automatically exclude or include files by a variety of criteria such as pathname, file type, and file extension. Exclude large files such as movies or MP3s from backups to save space.
Check-point restart	If backups or restores are interrupted, Retrospect resumes where it left off.
Centralized reporting across backup servers	Use a standard Web browser to view backup results from anywhere in the world. Retrospect ReportsWatcher continually generates a consolidated report across all backup servers.
Remote management	Administer any backup server by logging in with Windows Remote Desktop or other popular remote control applications.
E-mail notifications	Notifications of successful or unsuccessful backups can be mailed to a group of people.
508 compliant	Retrospect meets U.S. government section 508 requirements for the disabled and visually impaired.

## Avoid weekly full backups

No need to perform a full backup each week	With Retrospect there is no need to perform a time-consuming full backup each week. Other backup applications require weekly full backups and daily incremental or differential backups in order to prepare for an accurate restore of a computer to any prior point in time.
Unparalleled restore accuracy	Only Retrospect's patented Smart Restore™ technology automatically compiles a list of data on the hard drive prior to every backup. Retrospect uses this list to select the exact data needed to restore a computer to a point in time without returning unwanted files that were previously deleted, moved, or renamed.
Perform fast incremental backups	Because Retrospect delivers accurate restores without requiring weekly full backups, you can perform fast incremental backups daily, saving time by backing up only new or changed data on an ongoing basis.
Point-in-time restores	Roll back individual files, directories, entire file systems, the operating system, or the registry to any previous point in time.
Powerful search capabilities	Search for specific files or recover past versions of files.

## Backup to disk

Advanced disk-to-disk-to-tape backup	Use disk on a daily basis for simpler, faster, more reliable backups and restores. Copy to tape weekly for offsite storage and disaster recovery.
Automatic grooming of disk backups	Establish a policy to retain a set number of backups and automatically remove older data to make room for newer backups. Retrospect 7.6 now supports grooming of encrypted disk Backup Sets.
Synthetic full backups	Utilize existing backups on disk to create a new full backup on tapes for offsite storage without affecting systems, users, or your network.
Backup Set transfers	Transfer backup data from one Backup Set to another on demand or on a schedule. Backup Sets can be stored on different types of media. Transfer selected backups, all backups, or just newer backups created after the last transfer operation. Transfer backups via the Internet to disk at another site for tape-free offsite protection.
Advanced backup to disk	Multiple operations, such as performing a Backup Set Transfer or a User-initiated Restore can now take place simultaneously while a backup is being performed to the Disk Backup Set.

## Simplifies management of backup media

Simple onsite/offsite media rotation	Protect your data without complex tape rotation strategies. Create two sets of backup tapes and rotate them weekly. Update tapes with a quick incremental backup when they return onsite. Retire a set as an archive and replace it with a new set periodically. Retrospect keeps track of everything automatically.
Backup to disk, tape, or optical media	Back up to local disk, networked disk such as NAS or a storage array, single-tape drives, autoloaders, large tape libraries, and CD/DVD devices. Supports TapeAlert and DLTSage.
Advanced tape support	Optional add-on enables backups to as many as eight tape drives in parallel, including stand-alone drives and drives in libraries and autoloaders. Barcodes are supported for quick media identification.
Fibre Channel, iSCSI	Back up to Fibre Channel and iSCSI disk and tape devices.
WORM support	Meet compliance needs with backups or copies to SAIT WORM, SDLT WORM (DLTIce), and LTO WORM tape drives.
Easy tape management	Add, scan, erase, or move multiple tapes in one operation.
Skip to New Media	Option to back up to new media rather than append to existing backup media.
Flexible media verification	Retrospect can verify the integrity of the data on the backup media during the backup session. Or verification can take place later, freeing time for more backups to be performed during each backup session. Archived backup media can be verified periodically to ensure integrity.
Data compression	Reduce the size of backup data using software or hardware-assisted compression.

## Highest level of security for backups

AES encryption	Encrypt backups on CD/DVDs, disk, or tapes using 128-bit or 256-bit AES encryption, the strongest levels of encryption available.
Other encryption	Prevent unauthorized access to backup data with SimpleCrypt™ or DES encryption.

## Disaster recovery

Retrospect Emergency Restore CD NEW!	Recover a non-bootable Windows client computer. Use the Retrospect Emergency Restore CD to boot the client and perform a complete restore with Retrospect to any point in time that the computer was backed up.
Disaster recovery for Non-Windows clients	Restore a Linux, Mac, Solaris, or NetWare computer in three steps. Install the operating system. Install Retrospect client software. Restore applications, patches, user preferences, and data automatically with Retrospect.

### EMC Retrospect 7.7 for Windows Editions

Select from four Retrospect editions to meet the needs of your business environment:

- Retrospect Multi Server protects an unlimited number of networked servers, desktops, and notebooks.
- Retrospect Single Server protects one server and an unlimited number of networked desktops and notebooks. Licenses can be purchased to protect additional networked servers.
- Retrospect Small Business Server protects a server running Windows Small Business Server plus an unlimited number of networked desktops and notebooks. Licenses can be purchased to protect additional networked servers.
- Retrospect Disk-to-Disk protects a single server backing up to disk, CD, or DVD only. Licenses can be purchased to protect additional networked servers, desktops, and notebooks.

For complete operating system, file system, and backup device support information for specific Retrospect editions, visit [www.retrospect.com](http://www.retrospect.com).

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\*Visit [www.retrospect.com/supportupdates](http://www.retrospect.com/supportupdates) to learn about supported devices.

EMC Retrospect is part of the EMC SMB line of software and hardware products, which enables small and medium businesses (SMBs) to store, manage, protect, and share vital business information. To learn more about EMC SMB products, contact your authorized EMC Velocity SMB channel partner or visit [www.retrospect.com](http://www.retrospect.com).

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