



# Retrospect<sup>®</sup>

## MACINTOSH

95% of business information is now digital.  
80% of this critical data is stored on laptop or desktop computers, and is not properly backed up.

### New in Retrospect 10

Instant Scan technology cuts backup and restore times by half on average

- Increase the amount of data and/or number of computers you can back up, and strengthen your protection strategy by running critical backups more often
- Reduce downtime during a restore

### Mac OS X Mountain Lion ready

- Ready to back up Mountain Lion or roll back to Lion if needed
- Apple Developer ID-signed so you can run Retrospect with confidence when Gatekeeper is active
- Mountain Lion Notification Center messages announce Proactive Backup events on Mountain Lion clients

### Retrospect Client for Windows and Mac

- End-users can run their own backups and restores
- Administrator-level control of options
- Improved link encryption keeps data safe from snooping

Retrospect 10 backup and recovery software for Mac provides graphic designers, medical offices, law firms, banks, auto repair shops, restaurants, departments in large corporations, universities, government offices and so many others with the peace of mind of knowing that their digital assets are safe.

With more than two decades of field-tested expertise and millions of users worldwide, Retrospect's enterprise-level features provide the unparalleled reliability, ease of use, security and flexibility needed to protect critical data on mixed-platform networks. Retrospect 10 includes a state-of-the-art Mac user interface, industry-leading customer support, Mac and iOS remote management of multiple backup servers, and user-initiated restores—all at a fraction of the cost of other products.

### Easy and Automatic

Retrospect easily automates the backup process for networked computers.

- Builds a complete and reliable backup strategy in minutes.
- Works flawlessly in a mixed Windows/Mac environment without adding cost.
- Auto-detects new, or previously off-line server, desktop & laptop computers and prioritizes their backup.

### Powerful and Flexible

Retrospect provides enterprise-level features and performance that small and midsize businesses need, without requiring dedicated IT staff to manage backup and recovery operations.

- Performs versatile backups and restores with up to 16 simultaneous executable operations.
- Media management benefits make media rotation effortless, and locating data for restore simple.

### Reliable and Secure

Retrospect is the backup software that small and midsize businesses rely on to protect their valuable information against costly data loss.

- Industry-leading data verification double checks that data is fully backed up and restorable.
- U.S. Government-certified encryption ensures that backups and data transmissions are always secure.
- Open files, working databases and other running applications are protected and can be restored up to the moment that they were backed up.



For more information about Retrospect please call 888-376-1078 or email [sales@retrospect.com](mailto:sales@retrospect.com)

## Retrospect Makes Backups Easy and Automatic

<b>NEW! Notification Center Messages</b>	Using Mountain Lion's new Notification Center, users can be notified when a backup of their computer begins and when it's finished.
<b>IMPROVED! Back Up and Restore On Demand</b>	New Retrospect Client software allows each user to quickly backup an important files or folders and even run their own restores right from the Desktop. Now supports Windows clients.
<b>IMPROVED! Automatic Disk Grooming</b>	You tell Retrospect how many backups to keep, and it will automatically remove older backups when it needs more space on disk-based storage. This technology allows Retrospect to perform faster, smaller Smart Incremental backups forever.
<b>Contemporary Mac User Interface</b>	Retrospect is laid out similarly to iTunes, making it immediately familiar and easy to navigate.
<b>Backup, Restore, and Copy Assistants</b>	Retrospect's assistants make it easy to perform the most common manual and scheduled operations.
<b>Smart Incremental Backups</b>	There's no need to tell Retrospect to do a full backup; it intelligently backs up only the unique files that it doesn't already have.
<b>Proactive Backup</b>	Need to protect laptops that come and go from the network? Retrospect's Proactive Backup feature watches for computers and automatically backs them up when they connect to the network.
<b>Protects Everything</b>	Retrospect runs as a root user process on the Mac, so it can easily back up all files on servers, desktops, and notebooks.
<b>Runs in Virtual Environments</b>	Retrospect Client software can be used to natively back up Mac, Windows, or Linux machines running in virtualization under VMware Fusion or Parallels.
<b>Automatic File-level Deduplication</b>	Retrospect maximizes storage usage by only copying unique files—even across multiple computers—to the backup media.
<b>Roll-back Restores (Live Restores)</b>	Retrospect is able to easily roll back a functioning computer to a previous state. Simply restore over the volume that includes the running operating system and reboot.
<b>Auto-Locates Network Clients</b>	When used with a public/private key, Retrospect will automatically connect to new client computers on the network and even back them up without manual intervention.
<b>Control and Monitor Retrospect from iOS</b>	Use the free Retrospect iOS app on an iPhone, iPad, or iPod Touch to keep tabs on backups over Wi-Fi or 3/4G.
<b>Growl Notifications for Network Backup</b>	Retrospect employs Growl notification on pre-Mountain Lion Macs protected by the Retrospect Client software to notify users when a backup has completed.
<b>Private File and Folder Options</b>	Users can easily drag and drop files, folders, and even entire volumes like flash drives, to mark them private, so they won't be copied during a backup.
<b>Automatic Software Updates</b>	Retrospect will periodically check for software and device driver updates and notify the user when updates are available for download.
<b>Automatic Device Configuration</b>	Retrospect recognizes supported devices automatically and makes them available for immediate use without the need for manual setup.

## Retrospect Makes Backups Easy and Automatic

### Easy Physical Media Rotation

Instead of needing to rely on complex media rotation schemes, such as Grandfather-Father-Son, Retrospect allows the user to rotate physical media as they see fit, and it automatically copies the files needed to keep each Media Set complete.

### Wake-on-LAN for Green Backups

To reduce the overall power demands for backups, Retrospect awakens sleeping/stand-by mode computers to back them up and then allows them to return to their low-power state.

## Retrospect is Powerful and Flexible

### NEW! Instant Scan Speeds Backups

Retrospect Clients already know what files have been added or changed before the backup server even connects, cutting average nightly backup times in half. The same technology is also used on the backup server.

### NEW! Support for Mountain Lion

Retrospect supports Mac OS X “Mountain Lion” and takes full advantage of 64-bit Intel processors for the best performance on the latest hardware.

### Performs Multiple Tasks Simultaneously

Need to run a restore without interrupting ongoing backups? Need to back up multiple laptops at the same time? Retrospect server editions perform up to 16 simultaneous operations.

### Flexible Backup to Local and Network Disk

Retrospect can make use of multiple hard disk destinations, whether grouped together or used independently; connected directly via USB, FireWire, or eSATA; or when networked using Ethernet, iSCSI, or Fibre Channel.

### Support for Cloud Storage

WebDAV support allows Retrospect to back up from or to offsite cloud storage. Powerful filtering rules can be employed to allow complete local backups, while ensuring only critical data needs to be copied to the cloud.

### Disk-to-Disk-to-Disk (D2D2D) Backups

Retrospect can transfer specific or all backups between Media Set destinations, making it trivial to back up nightly to network-attached storage and then transfer just the most recent nightly backups to a portable hard disk for safe, offsite storage.

### Disk-to-Disk-to-Tape (D2D2T) Backups

Retrospect can stage backups to disk before transferring them to tape, ensuring that the fastest possible throughput is achieved at each stage. Disk-based backups can also be copied to tape for safe, offsite storage or archiving.

### Backs Up Mac, Windows, and Linux

Heterogeneous networks are protected using Retrospect’s native client software, ensuring perfect backups regardless of operating system.

### Remote Management of Multiple Backup Servers

Log in multiple Retrospect servers and control them from a single screen, easing management for larger installations.

### Powerful Search Capabilities

Retrospect can locate files not only by name and location, but also by a multitude of other criteria, including modification date, Finder label, size, and even security permissions.

### Flexible Scheduling

Backup, copy, archive, and restore operations in Retrospect can be scheduled to meet any agenda.

### Creates Bootable Copies

The copy feature in Retrospect can make a bootable clone of any Mac volume, and it can keep the clone updated with its Smart Incremental technology, which takes far less time than a new copy.

## Retrospect is Powerful and Flexible

Advanced Tape Support (add-on)	This add-on allows Retrospect to stream backups to multiple tape drives at the same time, whether installed in a single library or standalone.
Complete Windows Backups and Restores	Retrospect for Mac employs native Windows backup client software for complete backups that include system state and even open files on desktops and laptops.
Powerful Filtering	To include or skip specific files, folders, and volumes, or to back up only specific data, Retrospect includes both built-in and user-definable rules that filter data based on a multitude of conditions, including file names, dates, and types.
Uses Disk, Removable, and Tape	Retrospect supports most types of magnetic media for backup, including hard disk drives, network-attached disk, flash media, and every major tape format.
Custom Reporting	Retrospect uses condition-based reporting, like the Find command in Mac OS X, to provide details on activities, sources, performance, media capacity, and much more. Built-in reports are easily duplicated and modified.
Space-saving Data Compression	Built-in data compression routines and support for hardware-based compression present in tape drives comes into use after Retrospect performs its file-based deduplication, further reducing backup storage requirements.
Support for Multiple Network Interfaces	Retrospect can take advantage of multiple network interface cards to improve performance and to prevent traffic from crossing subnets.

## Retrospect is Built for Reliability and Security

NEW! Apple Developer ID-signed	Retrospect's installers and applications are digitally signed with an Apple Developer ID, providing integration with Mountain Lion's new Gatekeeper security feature.
IMPROVED! Network Link Encryption	Retrospect will optionally encrypt communications between network clients and the backup server using strong AES-256 encryption to prevent network snooping of private information. Now supports strong encryption for Windows clients.
IMPROVED! Administrator Feature Control	The backup administrator can control access to end-user features like marking private files, running an on-demand restore, or stopping a backup that's in progress. Now supports Windows clients.
Precise Restores Every Time	Because it saves a complete point-in-time file listing of every backup, Retrospect always restores exactly the files that belong on a volume; no unwanted files get restored and later require cleanup.
Multiple Media Sets for Offsite and Archival Storage	Retrospect employs multiple storage destinations—called Media Sets—and tracks each independently to provide for easy offsite storage and maximize restore reliability.
Industry-leading Data Verification	When verifying data copied during the backup process, Retrospect actually employs the restore routines in the software to do a byte-by-byte comparison against the original, verifying not just the data but the entire restore process. Verifying the restore process and data together provides the most reliable method of verification available anywhere.

## Retrospect is Built for Reliability and Security

Anytime Verification	For tight backup windows where backups must be as fast as possible, Retrospect can verify the backup data at a later time by using a checkpoint method that does not burden the disk containing the original data.
Backup Media Encryption	Retrospect provides multiple encryption options for safeguarding backup data against unwanted access, including government standard AES-256 encryption.
Secure Client Access	Retrospect Client software is either password protected or deployed using a public/private key method for added security. The proper credentials must be presented to log in and back up the client machine.
S.M.A.R.T. Alert Aware	The Retrospect Client software communicates to the backup server when a hard disk drive begins to fail so it can be backed up immediately.
Email Notification	Retrospect will notify administrators of media requests, operational errors, and successfully completed operations.
WORM Tape Compliance Support	Retrospect fully supports write-once, read-many tape media for strict compliance with various regulations, including Sarbanes-Oxley.
Scheduled Tape Drive Cleaning	Retrospect helps maintain drives in tape autoloaders and libraries by periodically loading a cleaning tape cartridge. Cleaning reminders are provided for standalone tape drives.
Over Two Decades of Innovation	Millions of users rely on Retrospect to protect their critical information.

## Retrospect 10 for Macintosh Editions

### Retrospect 10 Multi Server

Protects any number of networked Mac, Windows, and Linux servers, desktops, and notebooks. Supports disk and tape storage devices.

### Retrospect 10 Single Server Unlimited Clients

Protects one server and any number of networked Mac, Windows, and Linux desktops and notebooks. Additional server client licenses can be purchased to protect more networked Mac, Windows, or Linux servers. Supports disk and tape storage devices.

### Retrospect 10 Single Server 20 Clients

Protects one server and up to 20 networked Mac, Windows, and Linux desktops and notebooks. Additional server client licenses can be purchased to protect more networked Mac, Windows, or Linux servers. Supports disk and tape storage devices.

### Retrospect Server Add-ons

Add-on licenses are available for protecting applications and open files on Windows Server and to support tape library systems with multiple drives. Please see [retrospect.com](http://retrospect.com) for complete details.

### Retrospect 10 Desktop 5-User

Protects a single Windows PC and up to five additional Mac, Windows, and Linux desktops and notebooks.

