

Symantec Backup Exec™ 12 for Windows® Servers

The gold standard in Windows data protection

Overview

Symantec Backup Exec™ 12 delivers efficient, easy-to-manage backup and recovery protection from server to desktop, providing optimized data protection for Windows based environments, now supporting Microsoft® Windows Server 2008. With granular recovery features and continuous data protection for critical Microsoft applications, Symantec Backup Exec helps ensure that business-critical data is efficiently protected and can be quickly recovered—down to an individual email or document.

Symantec Backup Exec 12 also introduces innovative multi-product integration to simplify and enhance a company's ability to secure, back up, and archive critical data. The new integrated data protection features with Symantec™ Endpoint Protection, Symantec Backup Exec™ System Recovery, Symantec Enterprise Vault™, and the new Symantec™ Online Storage prove Symantec Backup Exec 12 is the gold standard in Windows data protection.

Key benefits

Delivers market-leading Windows data protection with more than 1.5 million customers globally

- Provides new optimized backup and recovery for Microsoft Windows Server 2008
- Offers unmatched data protection of leading Microsoft applications, including Exchange 2007
- Provides scalable data protection for non-Microsoft servers through high-powered remote agents

Recovers critical data in seconds with patent-pending Granular Recovery Technology

- Restores individual Exchange messages, folders, and mailboxes (*eliminating* mailbox backups)
- Restores Active Directory users, user attributes, and properties without multiple reboots
- Restores individual SharePoint Server documents in seconds

Offers new integration with market-leading Symantec products to secure, back up, and archive critical data

- New Agent for Enterprise Vault provides fast, efficient backup and recovery for critical archives
 - New Symantec Endpoint Protection integration delivers up-to-the-minute security warnings and proactive ThreatCon backup protection
 - Enhanced Backup Exec System Recovery Option delivers advanced disaster recovery protection—and now supports Microsoft Server 2008
 - New Symantec Online Storage integration provides a secure, easy-to-manage offsite storage option
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Complete data and system protection

Symantec Backup Exec 12 offers a comprehensive data protection and recovery solution in one product suite, which reduces the complexity of dealing with the backup and recovery of your company's most valuable asset—its data. Whether that data resides on a Windows file server; on a desktop or laptop; or on a critical application server like Exchange, SQL, or SharePoint, Symantec Backup Exec 12 has the capability and compatibility to offer full protection and recovery for both data and systems.

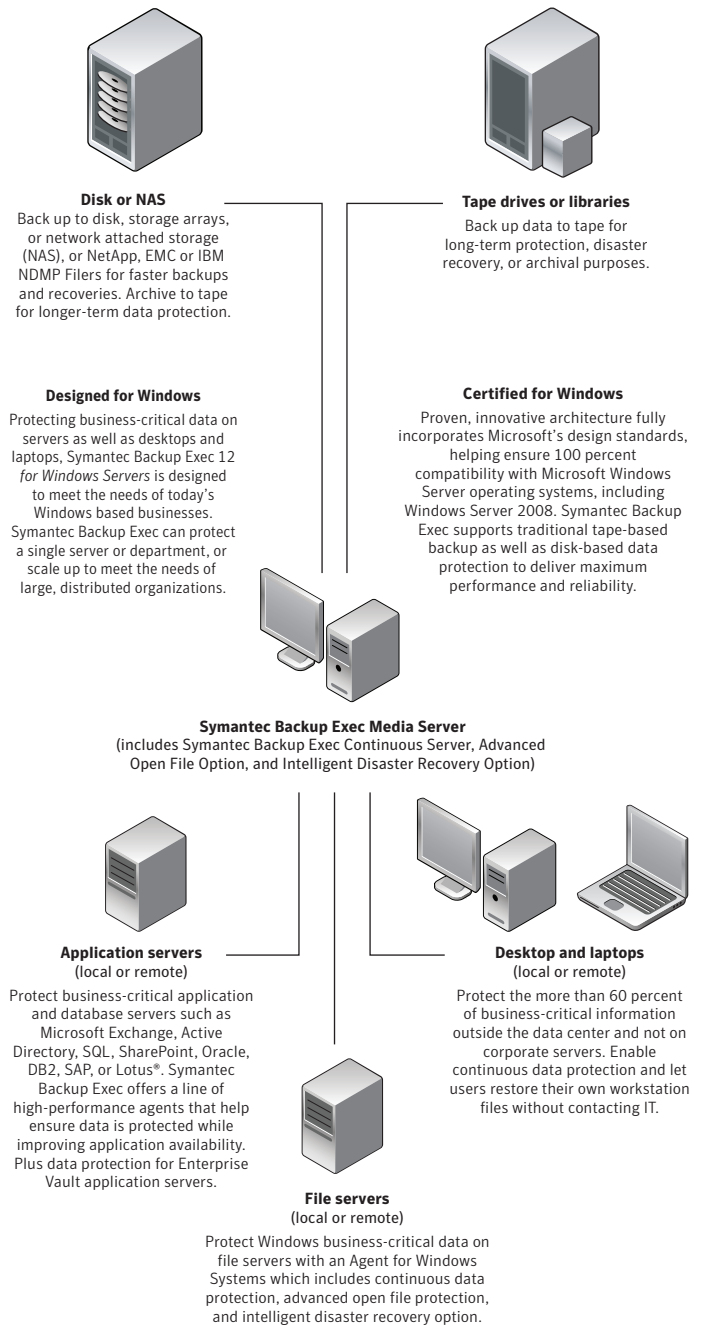
Data Sheet: Backup and Recovery Symantec Backup Exec™ 12 for Windows® Servers

Designed to meet the growing needs of today's businesses, Symantec Backup Exec 12 delivers complete disk-to-disk-to-tape data protection and recovery for Windows environments. The Backup Exec solution provides traditional tape-based as well as disk-based, continuous data protection—eliminating backup windows altogether, speeding data recovery, and enabling end users to recover their own files without IT intervention. Symantec Backup Exec 12 lets businesses recover data in seconds, including business-critical information such as individual email messages, folders, and documents, from a single backup.

An optional centralized administration console provides scalable management of distributed backup and remote servers. Sophisticated database and groupware agents provide online protection and granular recovery. Symantec Backup Exec 12 delivers a comprehensive disk- and tape-based solution from a single vendor. Plus, entry-level system recovery and open file protection are now included in the Symantec Backup Exec solution.

Granular recovery and continuous protection—for recovery in seconds

Symantec Backup Exec 12 delivers patent-pending Granular Recovery Technology (GRT) for critical Microsoft applications, including Exchange, Active Directory, SharePoint Server, and SharePoint Services—providing the ability to recover granular data quickly and efficiently from a single-pass backup. This innovative technology eliminates the need to run Exchange mailbox backups to recover granular data; plus, SharePoint, SharePoint Services, and Active Directory data—including documents, user attributes, and properties—can be restored quickly



Please refer to *Symantec Backup Exec 12 for Windows Servers Agents and Options* on page 7 for a complete list of agents and options that protect business-critical information and improve overall management and performance.

and easily. Users simply browse, select, and restore the individual item for recovery in the database. It's that easy.

Symantec Backup Exec also provides continuous data protection, which complements Granular Recovery Technology by providing reliable, fast, disk-based data protection that continuously backs up transaction logs and assigns user-designated recovery points to eliminate the daily backup window. In addition, each recovery point can be easily opened and browsed for restoration of a specific document or email in just minutes. Continuous data protection provides protection for Windows based file servers, Microsoft Exchange servers, SQL servers and desktops, and laptops. And, with Symantec Backup Exec Retrieve for file servers, end users can quickly retrieve their own files—without IT intervention.

Product highlights

- **New! Optimized data protection for Microsoft Windows Server 2008**—Certified media server support for Windows Server 2008 provides fast, efficient backup and recovery, including complete driver support for faster backup performance, exclusive use of Volume Shadow Copy Service (VSS) snapshots, and protection for failover clustering. Plus, Symantec Backup Exec provides support for Microsoft Windows Server 2008 Core Server through the Backup Exec Agent for Windows Systems, keeping business-critical Windows data protected and helping to ensure that it can be easily recovered.
- **New! Backup Exec Agent for Enterprise Vault**—Integrated backup and recovery protection for Symantec Enterprise Vault. Symantec Backup Exec now delivers full application protection of Enterprise Vault, including Directory Database, Partitions/Vault Stores, and Indexes, plus users can efficiently recover individual partition files and indexes quickly and easily through the Backup Exec console.
- **Enhanced! Granular recovery for Exchange and continuous protection, including support for Exchange 2007**—Granular Recovery Technology and continuous protection eliminate the daily backup window for Exchange backup jobs and enable recovery of individual mailboxes, messages, and folders in seconds from a single backup. Exchange “mailbox or MAPI” backups are no longer required to restore granular Exchange data—so the number of backups and time required to protect Exchange is significantly lower. Plus, Granular Recovery Technology enabled backups can now be easily stored to a remote or removable disk drive or off to a storage area network (SAN) to further optimize your backup and recovery strategy.
- **Enhanced! Agent for Microsoft Active Directory**—The enhanced agent enables fast recovery of user accounts, printers, organizational units (OUs), down to the individual attribute level without Domain Controller reboots, and it now supports granular recovery of Microsoft Server 2008 Active Directory Domain Services objects as well.
- **New! Symantec Endpoint Protection integration**—Now Symantec Endpoint Protection 11.0 users can view up-to-the-minute security threat reports through the Symantec Backup Exec console, and they can set proactive backup jobs to be automatically triggered to run based on a Symantec ThreatCon Indicator level. Proactive ThreatCon backups help ensure that an “uninfected” copy of business data is backed up and can be recovered in the event of a virus or malware attack.

- **Enhanced! Agent for Windows Systems**—This agent now includes the Remote Agent for Windows Servers, Continuous Data Protection, Advanced Open File Option to protect open files, and the Intelligent Disaster Recovery Option for basic, tape-based disaster recovery. The agent expands Windows based data protection and optimizes data transfers for 32- and 64-bit remote Windows servers, including local registry and system state information.
- **Enhanced! Backup Exec for Windows Servers System Recovery Option**—The Symantec Backup Exec for Windows System Recovery Option delivers advanced disk-based system recovery that now supports Microsoft Windows Server 2008. The Windows System Recovery Option provides fast, easy-to-use system restoration or full bare-metal recovery to dissimilar hardware and even virtual environments for servers, desktops, or laptops, allowing businesses and IT to recover from system loss or disaster in minutes, not hours or days.

Symantec Backup Exec System Recovery Option captures a recovery point of the entire live Windows system—including operating system, applications, system settings, configurations, and files—without affecting productivity. This recovery point can be conveniently saved to various media or disk storage devices, including SAN, NAS, direct-attached storage, RAID, and CD/DVD. When a system fails, it can be quickly restored without the need for manual, lengthy, and error-prone processes, helping IT administrators meet recovery time objectives,

For simplified administration and centralized management for larger organizations, as well as enhanced Exchange and SharePoint protection, consider using Symantec Backup Exec System Recovery 8 Server Edition.

- **Enhanced! NDMP Option** (now supports IBM N series)—The enhanced NDMP Option supports the backup and restore of NDMP NetApp, EMC Celerra, and IBM N series filers with tape devices attached. Support for NDMP devices greatly expands the number of disk targets that can be selected for disk-based data protection.
- **Enhanced! Agent for Lotus Domino®** (now supports Lotus Domino)—The Agent for Lotus Domino integrates comprehensive data protection of vital Lotus Domino 6.x, 7.x, and 8 messaging and collaboration databases within daily backup activities. Backup and restore of partitioned and clustered Lotus Domino servers are also supported. Additional, flexible restore options include database redirection and point-in-time “rollback” recovery of databases or transaction logs.
- **Enhanced! Agent for Mac® system** (now supports Macintosh® OS X 10.5)—This agent supports online non-disruptive backup of Macintosh OS X 10.3, 10.4, and 10.5 operating systems. This expanded Macintosh platform support broadens the data protection offering for Backup Exec customers and further ensures up-to-date backup and recovery for heterogeneous platforms.

- **Enhanced! Online Protection of Microsoft Virtual Server 2005**—Optimized support for Microsoft Virtual Server 2005 provides fast, flexible virtual backup and recovery support.
- **New! LTO-4 tape drive support**—Support is provided for tape manufacturers' new LTO-4 hardware encryption functionality by managing the encryption keys through the tape drive so that data can be quickly decrypted and easily recovered to the Backup Exec media server. In addition, Symantec Backup Exec 12 now supports the latest LTO-3 and LTO-4 high-performance tape drives, providing high-speed block size backups, enhancing overall backup times.
- **New! Integrated 60-day trialware of agents and options**—Using the Backup Exec 12 console, it is now easy to download and evaluate all the Symantec Backup Exec agents and options in your current Symantec Backup Exec 12 environment for 60 days, absolutely free. Then, before the trialware period expires, simply purchase and install the license keys for the agents or options you want to extend permanently. No reinstallation or new configuration is necessary.
- **Desktop and Laptop Option**—This option improves efficiency by protecting only the changed elements (block level) of files, as well as integrating end-user recovery with the Continuous Protection Server. In addition, this option enables a single restore point with Backup Exec Retrieve.

- **Central Admin Server Option**—Efficient 3-tier server management simplifies and centralizes the management and monitoring of multiple Backup Exec media servers within the network environment, including support for nonpersistent connections.

Proven and reliable

Symantec Backup Exec is based on over two decades of proven engineering. The innovative architecture fully incorporates Microsoft design standards, helping to ensure 100 percent compatibility with Microsoft Windows Server operating systems. Symantec Backup Exec software is Microsoft certified for Windows Server 2008, Windows Server 2003, and Windows 2000 environments.

Symantec Backup Exec 12 delivers an enhanced user interface and calendar view to quickly track and monitor backup and recovery jobs. In addition, Backup Exec simplifies installation and backups with its Pre-Install Environment Checker, which highlights any potential issues before the software is installed. With its Job Test Run, Symantec Backup Exec 12 will identify potential problems that cause job failures, and then notify the administrator so that corrective action can be taken. Realize further benefits with automatic discovery of new resources, which enables administrators to create a job for detecting new, unprotected resources that are at risk and in need of backup. All of these tools reduce the time and resources needed to install and run Backup Exec, while improving overall data protection.

Scalable, high-performance architecture

The software architecture of Symantec Backup Exec is designed for enterprise scalability and offers engineering benefits that minimize network traffic and maximize throughput performance. The optional Remote Agents for servers running Windows, NetWare®, Mac, Linux®, and UNIX use the exclusive Symantec Agent Accelerator technology for distributed processing and source compression, providing client access when protecting or restoring remote file and database servers. Symantec Backup Exec also helps ensure complete protection for Oracle® (including RMAN and Real Application Clusters [RAC]), DB2®, SAP

applications, and even Network Data Management Protocol (NDMP) devices and storage area network (SAN) environments, optimizing an organization's backup and recovery performance.

The performance features of Symantec Backup Exec software include the ability to leverage high-performance network backup of all Windows server platforms, including 64-bit remote systems. Its integration with Microsoft Volume Shadow Copy Server and its ability to protect virtual environments make Symantec Backup Exec the gold standard for Windows data protection.

| Feature | Benefit |
|---|--|
| Windows data protection | |
| Complete data protection for Windows-based server environments | Provides reliable, trusted data protection for Windows based businesses, including optimized support of Microsoft Windows Server 2008 with complete out-of-the-box backup protection for all open files and basic system recovery |
| Patent-pending Granular Recovery Technology (GRT) to recover critical application data in seconds | Restores individual Exchange messages, SharePoint documents, and Active Directory items from a single-pass backup, eliminating multiple backup jobs—no more Exchange mailbox backups! |
| Continuous data protection | Eliminates the backup window with Backup Exec Continuous Protection Server, which continuously protects data as it changes, making it easy to meet recovery-point objectives for Exchange, File Server, SQL Server, and desktop data |
| FIPS validated data encryption | Includes FIPS validated 256-bit AES encryption (pending CMVP validation) for flexible data encryption across the network or to the storage device |
| Open file data protection | Helps ensure that open files on local media servers or remote Windows servers are protected while in use—and are not skipped when running a backup job; Symantec Backup Exec Advanced Open File Option (now included with Backup Exec software) protects open files at the volume level |
| Flexibility and ease of use | |
| Innovative multi-product integration with market-leading Symantec technologies | Provides integrated security, recovery, and archive functionality with Symantec Endpoint Protection, Symantec Enterprise Vault, Symantec Online Storage, and complementary Backup Exec System Recovery Option, further providing advanced protection for growing businesses |
| Scalable heterogeneous support through remote agents and options | Complementary high-powered Backup Exec remote agents and options effectively prevent data loss on heterogeneous servers and maximize backup and recovery performance for supported NDMP filers and SAN environments |
| 3-tier centralized management | Provides robust, scalable backup operations, including load-balancing, distributed catalogs, bandwidth throttling, fault tolerance, and monitoring and reporting, for many Symantec Backup Exec media servers in a Windows data center, distributed throughout the network, or at remote offices |
| Windows system recovery | |
| Advanced system recovery to dissimilar hardware and virtual server environments | Provides disk-based system recovery in minutes to different hardware or even virtual servers in the event of catastrophic failure, helping to ensure extremely fast and flexible recovery for Windows servers with Backup Exec System Recovery Option |
| Basic disaster recovery | Offers tape-based disaster recovery for traditional backup environments with Intelligent Disaster Recovery Option, now included with every media server and Agent for Windows Server License |

Available products

Symantec Backup Exec 12 core licenses delivers efficient, easy-to-manage backup and recovery protection from server to desktop, providing optimized data protection for Windows based environments. Symantec Backup Exec agents and options expand and scale the Backup Exec environment to support critical applications, databases, and storage configurations.

Core licenses

Symantec Backup Exec 12 for Windows Servers
Symantec Backup Exec 12 for Windows Small Business Servers (Standard) (view SBS data sheet)
Symantec Backup Exec 12 for Windows Small Business Server (Premium) (view SBS data sheet)

Backup Exec agents

New Symantec Backup Exec Agent for Enterprise Vault
Symantec Backup Exec Agent for Active Directory
Symantec Backup Exec Agent for DB2 on Windows Servers
Symantec Backup Exec Agent for Lotus Domino Server
Symantec Backup Exec Agent for Microsoft Exchange Server
Symantec Backup Exec Agent for Microsoft SQL Server
Symantec Backup Exec Agent for Microsoft SharePoint
Symantec Backup Exec Agent for Oracle RAC on Windows or Linux Servers
Symantec Backup Exec Agent for Oracle on Windows and Linux Servers
Symantec Backup Exec Agent for SAP Applications
Symantec Backup Exec Agent for Windows Systems (AWS)
Symantec Backup Exec Remote Agent for Linux or UNIX Servers
Symantec Backup Exec Remote Agent for Macintosh Servers
Symantec Backup Exec Remote Agent for NetWare Servers

Backup Exec options

Symantec Backup Exec Advanced Disk-Based Backup Option
Symantec Backup Exec Advanced Open File Option (now included with Core and AWS)
Symantec Backup Exec Central Admin Server Option
Symantec Backup Exec Desktop and Laptop Option
Symantec Backup Exec Intelligent Disaster Recovery Option (now included with Core and AWS)
Symantec Backup Exec Library Expansion Option
Symantec Backup Exec NDMP Option
Symantec Backup Exec SAN Shared Storage Option
Symantec Backup Exec for Windows System Recovery Option

Support Services

Essential Support

No matter the size of your company, a service interruption can mean significant loss to your business. Symantec recommends Essential Support Services as the service level of protection for most businesses.

- Reassurance of knowing your Backup Exec products are up to date with the latest updates and version releases
- Cost savings that come with selecting a value-priced service plan
- 24x7 expert problem resolution through Symantec's global support and delivery team

System requirements

Supported operating systems

- Windows Server 2008
- Windows XP Professional x64 Edition
- Windows XP (with SP2)
- Windows Storage Server 2003 (with SP1)

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Symantec Backup Exec™ 12 for Windows® Servers

- Windows Server 2003 x64 Editions
- Windows Server 2003
- Microsoft Windows 2000 Server (with SP4 and Update Rollup 1 for SP4)

Supported clients

- Microsoft Windows Vista
- Microsoft Windows XP
- Microsoft Windows 2000 Professional

Supported Internet browsers

- Microsoft Internet Explorer 6.0 or later
- Service Pack 1 is required for SQL Server 2005 Express

Supported processors

- Intel Pentium, Xeon, AMD, or compatible

Memory—Backup Exec Media Server

Note: RAM requirements may vary depending on the operations performed, the options installed, and the specific computer configuration.

- 256 MB RAM (required)
- 512 MB RAM (or more, for better performance) (recommended)

Memory—Backup Exec CASO Server

Note: RAM requirements may vary depending on the number of media servers being supported.

- 512 MB RAM (required)
- 1 GB RAM (recommended)

Virtual memory recommendations

20 MB above the Windows recommended size for total paging file size (total for all disk volumes)

Disk space

Note: Disk space requirements may vary depending on operations performed, the options installed, and the specific system configuration. Backup Exec database and catalogs require additional space.

- 696 MB (typical Installation)
- 805 MB (includes all options)

Other hardware

- Network interface card or virtual network adapter card
- CD-ROM drive
- Mouse (recommended)
- Modem supported by Microsoft Windows (optional, for pager notification)
- Printer supported by Microsoft Windows (optional, for printer notification)

Storage hardware

Symantec Backup Exec requires at least one storage media drive and/or single-drive robotic library and the appropriate controller card. Removable storage devices and non-removable hard drives can also be targeted for backups.

Note: Support for a single robotic library drive is available when you purchase Symantec Backup Exec. To enable support for additional robotic library drives, you must purchase Backup Exec Library Expansion Option.

For a complete list of supported devices, refer to the Symantec Backup Exec hardware compatibility list: www.backupexec.com/compatibility

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More information

Visit our Web site

www.backupexec.com

<http://enterprise.symantec.com>

To speak with a Product Specialist in the U.S.

Call toll-free 1 (800) 745 6054

To speak with a Product Specialist outside the U.S.

For specific country offices and contact numbers, please visit our Web site.

About Symantec

Symantec is a global leader in infrastructure software, enabling businesses and consumers to have confidence in a connected world. The company helps customers protect their infrastructure, information, and interactions by delivering software and services that address risks to security, availability, compliance, and performance. Headquartered in Cupertino, Calif., Symantec has operations in 40 countries. More information is available at www.symantec.com.

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Symantec Backup Exec 12 is the first backup product certified on Microsoft Windows Server 2008 according to Microsoft.

Confidence in a connected world.  **symantec™**

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