Symantec Backup Exec™ 11d *for Windows® Servers*

The Gold Standard in Windows Data Recovery

Key benefits

- Trusted and reliable

- Eliminates backup windows

- Enables faster backups

- Recovers individual files, Exchange messages/mailboxes, and SharePoint® documents in seconds

- Enables end-user file retrieval—without IT intervention

- Complete disk- and tape-based data protection

- Reduces operational cost in Microsoft® Windows environments

- Increases Windows application availability

- Offers simple, scalable, centralized management

- Provides certified compatibility across Microsoft Windows 2000 and Windows Server® 2003 environments

Introduction

Symantec Backup Exec 11d *for Windows Servers* is the industry-leading Microsoft Windows data protection and recovery solution designed for disk and tape, providing comprehensive, cost-effective, and certified backup and recovery—now including continuous data protection for Microsoft Exchange, file servers, and desktop and laptop workstations. Symantec Backup Exec 11d revolutionizes data protection by eliminating backup windows and recovering data in seconds. Enhancing data security with encryption and protecting both 32-bit and 64-bit systems, Backup Exec is the perfect fit for today's Windows based businesses.

Centralized administration provides scalable management of distributed backup and remote servers. An intuitive interface and wizards simplify data protection and recovery procedures for any level user and any size network. With a complete family of high-performance agents and options to protect Windows, Linux®, and UNIX® server data, as well as desktops and laptops, Symantec Backup Exec is the gold standard in Windows data recovery.

Meeting the needs of today's business and IT administrators, Symantec Backup Exec 11d is an easy-to-use data recovery solution that is cost-effective and simple enough for the novice user to install and administer, yet flexible enough to protect large Windows environments, departmental workgroups, and remote offices. It can protect a single server or multiple servers, a storage area network (SAN), or scale into large enterprises. It helps Windows based businesses back up more data with less hardware, in less time, with fewer resources—and is easy to manage centrally.

Complete protection: Just add data

Symantec Backup Exec 11d offers a comprehensive data protection and recovery solution in one product suite and removes the complexity of dealing with backing up and recovering your company's most valuable asset—its data. Whether that data resides on a Windows file server; on a desktop or laptop; or on an Exchange, SQL, SharePoint, or other application server, Backup Exec 11d has the capability and compatibility to offer full protection and recovery.

Designed to meet the growing needs of today's businesses, Symantec Backup Exec 11d delivers complete disk-to-disk-to-tape data protection and recovery for Windows environments. The Backup Exec solution provides traditional tape-based data protection, as well as disk-based data protection, eliminating

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backup windows altogether, speeding data recovery, and enabling end users to recover their own files—without IT intervention. Symantec Backup Exec 11d lets businesses recover data in seconds, including business-critical information like individual email messages or folders and other business data or files.
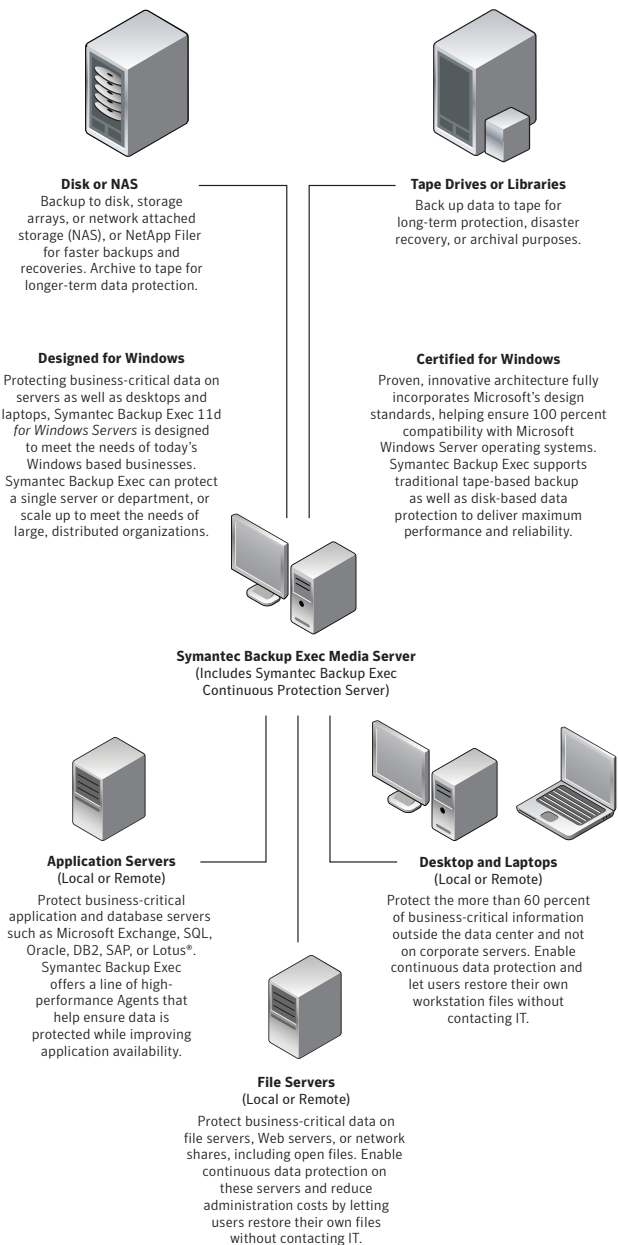
An optional centralized administration console provides scalable management of distributed backup and remote servers. Sophisticated database and groupware agents provide online protection and granular recovery. Even entry-level system recovery is integrated into the Symantec Backup Exec solution. Symantec Backup Exec 11d delivers a comprehensive disk- and tape-based solution from a single vendor.

Continuous protection—recovery in seconds

Symantec Backup Exec 11d *for Windows Servers* continues to deliver reliable, fast, and efficient data protection. Expanding continuous protection beyond Windows based file servers, desktops, and laptops, Backup Exec 11d now provides continuous data protection for Microsoft Exchange and SQL servers. This eliminates the need for daily backup and enables businesses to recover data in seconds or minutes. And, with Backup Exec Retrieve, the industry's first Web-based file recovery solution, end users can retrieve their own files—without IT intervention.

Significant enhancements to the Backup Exec Agents and Options mean faster backup and the ability to recover critical data in seconds for Exchange, SQL, SharePoint Server, and Active Directory® environments. Innovative Granular Recovery Technology in Backup Exec 11d provides the ability to recover individual documents from these key

Microsoft applications. Protection is also provided for Oracle® (including RMAN and Real Application Clusters [RAC]), DB2®, SAP applications, and even NetApp® and the EMC NS family of Network Data Management Protocol (NDMP) devices.

Disk or NAS
Backup to disk, storage arrays, or network attached storage (NAS), or NetApp Filer for faster backups and recoveries. Archive to tape for longer-term data protection.

Tape Drives or Libraries
Back up data to tape for long-term protection, disaster recovery, or archival purposes.

Designed for Windows
Protecting business-critical data on servers as well as desktops and laptops, Symantec Backup Exec 11d *for Windows Servers* is designed to meet the needs of today's Windows based businesses. Symantec Backup Exec can protect a single server or department, or scale up to meet the needs of large, distributed organizations.

Certified for Windows
Proven, innovative architecture fully incorporates Microsoft's design standards, helping ensure 100 percent compatibility with Microsoft Windows Server operating systems. Symantec Backup Exec supports traditional tape-based backup as well as disk-based data protection to deliver maximum performance and reliability.

Symantec Backup Exec Media Server
(Includes Symantec Backup Exec Continuous Protection Server)

Application Servers
(Local or Remote)
Protect business-critical application and database servers such as Microsoft Exchange, SQL, Oracle, DB2, SAP, or Lotus®. Symantec Backup Exec offers a line of high-performance Agents that help ensure data is protected while improving application availability.

Desktop and Laptops
(Local or Remote)
Protect the more than 60 percent of business-critical information outside the data center and not on corporate servers. Enable continuous data protection and let users restore their own workstation files without contacting IT.

File Servers
(Local or Remote)
Protect business-critical data on file servers, Web servers, or network shares, including open files. Enable continuous data protection on these servers and reduce administration costs by letting users restore their own files without contacting IT.

Please refer to the *Symantec Backup Exec 11d for Windows Servers Agents and Options* data sheet for a complete list of Agents and Options that protect business-critical information and improve overall management and performance.

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Product highlights

- **NEW! Continuous protection and granular recovery for Exchange, including Exchange 2007**—Eliminates daily backup window for Exchange backup jobs while allowing recovery of individual mailboxes, messages, and folders—in seconds. No more multiple jobs to protect the Exchange data store and individual mailboxes or use of slower "MAPI" based backups—significantly reducing the number of backups and time required to protect and recover Exchange.

- **NEW! Document-level recovery for SharePoint Server**—Recover individual documents, databases, or the server farm when protecting SharePoint Portal Server 2003 without rebuilding an entire SharePoint environment.

- **Enhanced! Agent for SQL**—Includes flexible recovery of SQL databases with redirection of restores to alternate locations, and integration of the SQL 2005 snapshots into the Backup Exec catalog for a consolidated look at all data copies available for quick restore.

- **NEW! Encryption**—Enhances data security with encryption for data being backed up over the network and when stored to tape.

- **NEW! Support for 64-bit systems**—Backup Exec and protected servers are both supported on 64-bit Windows (x64) operating systems, delivering better backup performance.

- **NEW! Agent for Microsoft Active Directory**—Enables fast recovery of users, properties, and more—*without* server reboots.

- **New! Backup Exec *for Windows Servers* System Recovery Option**—The Symantec Backup Exec *for Windows Servers* System Recovery Option delivers the gold standard in complete Windows system recovery, allowing businesses and IT to recover from system loss or disasters in minutes, not hours or days. Helping IT administrators meet recovery time objectives, Backup Exec 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.

Backup Exec System Recovery 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 systems fail, you can quickly restore them without the need for manual, lengthy, and error-prone processes.

For simplified administration and centralized management for larger organizations, as well as enhanced Exchange protection, consider utilizing Symantec Backup Exec System Recovery 7.0.

- **NEW! Agent for Oracle RMAN and RAC**—With support for Oracle Database 8*i*, 9*i*, or 10*g* RMAN and Oracle RAC, administrators can set up backup and restore jobs, as well as clustered configurations. Now supports Oracle for both Windows and Linux environments.

- **NEW! NDMP Option**—Protect NetApp and the EMC NS family of NDMP devices with Backup Exec 11d.

- **NEW! Symantec LiveUpdate™**—Now integrated with Symantec LiveUpdate for notification and installation of the latest patches, updates, and service packs for

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Backup Exec, which simplifies overall management. Customers who install Backup Exec now have the opportunity to install the latest version, patches, drivers, hot fixes, and service packs during the installation of Backup Exec.

- **NEW! Supports clustering**—Increase availability by clustering Backup Exec with Veritas™ Cluster Server software.

- **NEW! Agent for Mac® system**—Optimize backup performance with Agent Accelerator technology when protecting the Mac OS® X environment on PowerPC and Intel® based Mac systems.

- **Enhanced! Remote Agent for Linux/UNIX servers**—Expanded support now includes the HP-UX®, Novell® OES, Sun™ Solaris™ 10, as well as Solaris 10 on Intel and AIX systems.

- **Enhanced! Central Admin Server Option**—Now supports nonpersistent connections, and simplifies and centralizes management and monitoring of multiple Backup Exec media servers within the network environment.

- **Enhanced! Desktop and laptop protection**—Improves efficiency by protecting only the changed elements (byte level) of files, as well as integrating end-user recovery with the Continuous Protection Server. Enables a single restore point with Backup Exec Retrieve. Now supports Windows Vista™.

- **Enhanced! Network support**—Supports the latest networking protocols: Fully Qualified Domain Naming (FQDN) and IPv6 networks.

- **Multistaged disk backups**—Improves the manageability of disk-based backups before moving them onto tape, supporting automatic disk-to-disk-to-tape backup and restore strategies.

- **Enhanced! Custom reporting**—Create custom reports using queries and expressions; choose fields, categories, and sort order; and choose new graphical layout or standard report format.

Introducing Backup Exec System Recovery 7.0

Symantec Backup Exec System Recovery 7.0 is the gold standard in complete Windows system recovery, allowing businesses and IT to recover from system loss or disasters in minutes, not hours or days. Helping IT administrators meet recovery time objectives, Backup Exec System Recovery provides fast, easy-to-use system restoration or full bare metal recovery to dissimilar hardware and even virtual environments for servers, desktops, or laptops. It also enables you to recover systems in remote, unattended locations.

Backup Exec System Recovery 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 systems fail, you can quickly restore them without the need for manual, lengthy, and error-prone processes.

Extending your recovery capabilities even further, Backup Exec System Recovery quickly restores individual Microsoft Exchange email messages, folders, and mailboxes. It also integrates with Google Desktop as well as Backup Exec Retrieve for simple end-user file recovery that does not require IT intervention.

Centralized management capabilities in Backup Exec System Recovery Manager simplify administration by providing IT administrators with an at-a-glance view of system recovery jobs across the entire organization. You can centrally deploy, modify, and maintain recovery activities, jobs, and policies for local and remote systems; monitor real-time status; and quickly resolve any problems identified. You can also create reports to analyze trends over time.

With this release, Symantec introduces Backup Exec *for Windows Servers* System Recovery Option, a streamlined, lower priced version designed specifically for Backup Exec *for Windows Servers* customers. From small businesses to enterprise environments, Backup Exec System Recovery is the gold standard in complete Windows system recovery.

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Reliable

Symantec Backup Exec proven and innovative architecture fully incorporates Microsoft's design standards, helping to ensure 100 percent compatibility with Microsoft Windows Server operating systems. Symantec Backup Exec software is Microsoft certified for both the Windows Server 2003 and Windows 2000 environments.

Symantec Backup Exec 11d simplifies installation and backups. With its Pre-Install Environment Checker, Backup Exec will highlight any potential issues before you begin to install the software. With its Job Test Run, Backup Exec 11d will identify potential problems that cause job failures, and then notify the administrator so that corrective action can be taken. Realize further benefits by using Automatic Discovery of new resources; this 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.

Self-healing

Set a threshold at which Backup Exec 11d fails jobs that were stalled and then recovers them using customizable error-handling rules that specify the number of times that stalled/failed/recovered jobs are retried, and the interval between the retries.

Other reliability features include Cyclical Redundancy Check (CRC), Data Verify, and Database Consistency Checking—all of which help to maintain data integrity with high-speed verification.

Maximum performance

The Symantec Backup Exec software architecture is designed to minimize network traffic and maximize throughput performance. The optional Remote Agents for servers running Windows, NetWare®, Mac, Linux, and UNIX use the Symantec exclusive Agent Accelerator technology for distributed processing and source compression, providing client access when protecting or restoring remote file and database servers.

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. Integration with Microsoft Volume Shadow Copy Server, as well as the ability to protect virtual environments, make Backup Exec the gold standard for Windows data recovery.

Reduce LAN traffic and enhance backup and recovery performance by selecting an alternate network interface card to reroute backups and restores to a secondary network.

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Features	Benefits
Windows compatibility	
Support for Microsoft Windows servers, including System State and Shadow Copy components	Microsoft certified support for Windows Server 2003 and Windows 2000 helps reduce costs and deployment time and ensure compatibility and reliability, protecting all system configuration information, including Active Directory, of local or remote servers and workstations.
Full Windows File System Support	Windows 2000 and/or Windows Server 2003 file system support for FAT 16/32, VFAT, NTFS, CDFS, and UDF, including Macintosh® and POSIX file systems, delivers maximum flexibility for diverse client support.
Cluster Configuration Wizard	Eases installation and configuration of Symantec Backup Exec or applications in a Microsoft Cluster Server (MSCS) environment and provides automatic cascading failover for clusters of up to 8 nodes.
Microsoft Tape Format Read/Write	Allows the interchange of media with the Windows Server backup applet.
Microsoft Operations Manager Support	The Microsoft Operations Manager management pack proactively monitors and manages Backup Exec server alerts.
Flexibility and ease of use	
Graphical User Interface/Administration Console	Provides a simple, intuitive browser-like console for ease of use, allowing customization of the columns, layout, and type of information to be displayed.
Task Wizards	Simplify installation, setup, backup, recovery, media management, disaster preparation, cluster installation, and Agent configuration.
Central Admin Server Option	Centralizes management and monitoring of multiple Backup Exec servers across a distributed network or in remote offices, centralizing administration, job processing, and load balancing. Now supports nonpersistent connections.
Policies	Provide a simple, logical method for managing backup jobs and strategies. Policies contain job templates, whose job attributes define how and when backup jobs are processed.
Disk-to-Disk-to-Tape Backup and Recovery	Continuous data protection and automated multistaging enable administrators to automatically copy data to disk and archive to tape for true disaster recovery per predefined retention periods.
Encryption	Provides AES 128-bit and 256-bit encryption on the client when backing up over the network and to tape.
Agent for Windows Systems	Optimizes data transfers for 32- and 64-bit remote Windows servers with exclusive Agent Accelerator technology, which helps maximize backup and recovery performance. Now includes Continuous Protection Agent functionality, enabling traditional or continuous disk-based data protection of Windows servers (in addition to including Client Access License [CAL]).
NetWare Servers Protection	Offers 100 percent SMS compatibility and NDS bindery information for NetWare servers and maximizes backup and recovery performance by providing source-level compression and distributed processing, reducing network traffic, and maximizing throughput.
Customized Reporting	Create custom reports using queries and expressions, choosing fields, categories, and sort order and output in graphic or standard formats. Supports PDF, HTML, Microsoft Excel, XML, or Comma Separated Values (CSV).
Support for 64-Bit Windows Systems	Provides high-performance network backup of Intel technology–based 64-bit Windows media servers and local and remote systems. Supports Intel Xeon® EMT64, Intel Pentium® EMT64, AMD Athlon, and AMD Opteron processors.
Support for Exchange Server	Uses exclusive Backup Exec technology to protect complete Exchange databases, including Exchange 2007, while online for complete disaster recovery while still enabling individual message and mailbox recovery in seconds from the same backup.
Support for SQL Servers	Delivers a fast, dependable method for complete SQL Server protection on 32- or 64-bit servers. Now integrated with SQL Server 2005.
Support for SharePoint Portal Server	Now enables the ability to recover individual documents from SharePoint Portal Server 2003, in addition to protecting and recovering SharePoint Services, databases, and server farms.
Support for Microsoft Storage Server 2003	Transforms Microsoft Storage Server 2003 NAS appliances into a complete storage solution.
Support for Active Directory	Provides high-performance protection, as well as granular recovery of users, properties, and more without having to reboot the Active Directory server upon recovery.
Support for Oracle	Provides nondisruptive data protection for business-critical Oracle databases, including RMAN and Oracle RAC on Windows or Linux.

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Features (cont'd)	Benefits (cont'd)
Support for Lotus Domino®	Protects Lotus Domino R6 and R7 databases on Windows systems, improves performance for incremental backups, and enables MSCS cluster support for the Agent.
Support for SAP	Supports Oracle and MaxDB as the underlying database, as well as the latest version of SAP, including NetWeaver and BR*Tools 6.40.
Desktop and Laptop Option	Simplifies desktop and laptop data protection with simplified deployment, integration with Backup Exec Retrieve, and delta file transfer for files and Microsoft Outlook® PST files. Now includes 5-seat licenses at no additional charge.
Support for NDMP Filers	Delivers NDMP V4 support, enabling protection of NetApp and the EMC NS family of NDMP devices.
Support for DB2	Enables online, nondisruptive protection for DB2 databases on the Windows platform for more comprehensive database support. It offers one central view of all backups, whether initiated by a DBA or a backup administrator.
Remote Agent for Linux and UNIX Servers	Provides high-performance, networkwide data protection for 32- and 64-bit remote Linux and UNIX servers.
Remote Agent for Macintosh Systems	Provides high-performance, networkwide data protection for 32- and 64-bit remote PowerPC technology–based and Intel based Mac computers.
Backup via Specified Backup Network Using Secondary NIC	Helps reduces LAN traffic by isolating backup and restore operations to a subnetwork.
One-Button Backup	Speeds execution of a complete local system backup without having to define a backup job.
Outlook Style Calendar-Based Job Scheduler	Simplifies job scheduling and management of backup operations.
Symantec LiveUpdate	Checks the Symantec Web site at user-specified intervals for any available Backup Exec updates and informs the user of the latest patches or hot fixes available.
Pre-Install Environment Check	Improves installations with a new utility that runs before Backup Exec is installed and checks whether the media server has the proper system environment (operating system version, service packs, etc.) and checks versions of third-party applications.
Job Retry	Automatically retries a failed job and reroutes jobs to alternate drives.
Automated Alert Notification and SNMP Support	Framework console notification via Microsoft Exchange, Lotus Notes, or SMTP email; pager; printer; net send broadcast; and network monitoring applications.
Cyclical Redundancy Check	Helps to ensure reliability with high-speed data verification.
Enhanced Network Support	Supports FQDN and IPv6.
Clustering	Expands your high-availability choices, as Backup Exec supports clustering via a wizard and the integration/support of Veritas Cluster Server.
Advanced device and media management	
Advanced Disk-Based Backup Option	Delivering fast disk-based recovery with synthetic and off-host backups to perform zero-impact backups and fast restores. Now includes True Image Restore for a synthetic backup, which automatically restores data sets sequentially, simplifying recovery.
Device Pooling, Cascading, and Dynamic Load Balancing	Maximizes backup/restore performance and facilitates job failover.
Automated Media Management	Enables easy setup of media formatting, labeling, tracking, rotation, defining of retention periods, and catalog viewing.
Automated Log Files and Disk/Catalog Grooming	Frees hard disk space from inactive files.
Autoloader/Library Slot Partitioning	Allows backup jobs to be targeted to specific slots within a tape autoloader or library; gives the ability to mix drive types within a tape library.
System Summary Screen	Provides administrators with a central, consolidated view of the Backup Exec server status, simplifying job management.
System recovery	
System recovery to dissimilar hardware and virtual server environments	Disk-based system recovery in minutes to different hardware or even virtual servers in the event of catastrophic failure, offering extremely fast and flexible recovery for Windows servers (with Backup Exec System Recovery Option).
Basic disaster recovery	Tape-based disaster recovery solution for traditional backup environments (with Intelligent Disaster Recovery Option).

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More information

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Call toll-free 1 (800) 745 6054

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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.

Symantec World Headquarters

20330 Stevens Creek Boulevard
Cupertino, CA 95014 USA
+1 (408) 517 8000
1 (800) 721 3934
www.symantec.com

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