

# Symantec Backup Exec™ 11d for Windows® Servers— Options/Agents

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## Overview

Symantec Backup Exec 11d for Windows Servers is the trusted, proven, and comprehensive Windows data protection and recovery solution, providing cost-effective, high-performance, and certified disk-to-disk-to-tape backup and recovery—including continuous data protection for Microsoft® Exchange Server, Microsoft SQL Server, file servers, and workstations. High-performance agents and options provide fast, flexible, granular protection of and scalable management of local and remote server backups. These agents and options are discussed in this data sheet.

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## Key benefits

- Eliminate backup windows
- NEW! Recover critical data in seconds for Exchange Server, SQL Server, Microsoft SharePoint Portal Server, and Microsoft Active Directory
- Fast and reliable backup and recovery
- Industry's first Web-based end-user recovery of files
- Simplified and centralized administration of multiple Backup Exec servers
- High-performance data protection and recovery of Windows, Linux®, UNIX, Macintosh®, and NetWare® servers
- Greater granularity and faster recovery of specific application or file system data
- NEW! Enhanced data security with AES 128-bit/256-bit encryption of all backed-up data

- NEW! Agent support for 64-bit enhanced environments for better performance (Intel® Xeon EMT64, Intel Pentium® EMT64, AMD Athlon, and AMD Opteron processors)
  - Continuous protection of Exchange, SQL, and Windows file servers
  - SharePoint Portal Server document-level recovery from full backup
  - Enhanced! Support for Oracle® RMAN on Windows and Linux systems
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## New agents and options at-a-glance

- Agent for Oracle RAC on Windows or Linux Servers
  - DB2® Agent for Windows Servers
  - Agent for Active Directory Recovery
  - NDMP Option
  - Remote Agent for Macintosh Servers
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## Features and technical specifications

### Agent and option groups

#### Media server options

Exercise greater control of storage resources and alternate backup techniques on Backup Exec Media Servers.

#### Remote client access options

Connect and protect remote Microsoft Windows, Novell® NetWare, Macintosh, Linux, and UNIX servers across the network.



## Data Sheet: Backup and Recovery Symantec Backup Exec 11d for Windows Servers—Options/Agents

### *Online groupware agents*

Provide nondisruptive protection for corporate email messaging and knowledgebase applications.

### *Online database agents*

Protect and recover mission-critical database-driven applications.

### *Disaster recovery options*

Total recovery of local or remote systems.

### *Storage options*

Expand to larger media storage devices or share storage resources over a storage area network (SAN).

### **Media server options**

#### *Central Admin Server Option*

Simplifies management by providing concise information and centralized management of multiple Backup Exec media servers across the network. A robust and scalable solution, it enables centrally managed operations, load balancing, distributed catalogs, bandwidth throttling, fault tolerance, and monitoring and reporting for many Backup Exec media servers in a Windows data center, distributed throughout the network or at remote offices. The Central Admin Server Option makes Backup Exec simple to grow and effortless to manage. Operations can continue uninterrupted on the managed media server even when there is a nonpersistent network connection to the central administration server.

### *Advanced Disk-Based Backup Option*

Enables faster backups and restores through advanced disk-based backup and recovery, including Synthetic and Off-Host backups to perform zero impact backups. Synthetic backups reduce backup windows and network bandwidth requirements and do not impact the original client. New True Image Restore functionality automatically restores data sets sequentially, simplifying restores.

The Off-Host backup feature enables better backup performance and frees the remote computer by processing the backup operation of the remote computer on a Backup Exec media server instead of on the remote computer or host computer.

### **Remote client access options**

#### *Advanced Open File Option\**

Helps ensure files on local or remote servers are protected while in use and are not skipped when running a backup job. The Symantec Backup Exec Advanced Open File Option handles open files at the volume level and is seamlessly integrated into Backup Exec software. There is no need to know which files are open ahead of time; just set a scheduled backup to use this option with a simple mouse click. Additionally, it can back up multiple volumes in one job while creating a snapshot of only one logical volume at a time. After the logical volume is snapped and backed up, the snapshot is deleted before the next logical volume is snapped. This option increases the ability to meet the minimum quiet time needed to complete a snapshot.

## Data Sheet: Backup and Recovery

### Symantec Backup Exec 11d for Windows Servers—Options/Agents

Advanced technology also integrates the ability to detect and leverage alternate frozen image technologies such as Microsoft Volume Snapshot Service (VSS) on Windows Server 2003 or Symantec's Veritas™ Volume Manager FlashSnap™ for increased application availability.

#### *Open File Option for Remote NetWare Servers*

Enhances file protection by helping to ensure that every file is protected even while in use (on NetWare 6.5 volumes). This option can handle open files at the volume level and is seamlessly integrated into Symantec Backup Exec software.

#### *NEW! Agent for Windows Systems\**

This agent now includes the *Continuous Protection Agent* with the *Remote Agent for Windows servers*.

The Remote Agent for Windows Servers expands networkwide data protection and optimizes data transfers for 32- and 64-bit remote Windows servers, including local registry and system state information. Exclusive Agent Accelerator technology helps maximize backup and recovery performance by providing source-level compression and distributed processing at the client. The result is reduced network traffic and maximized data throughput.

Now this agent includes the Continuous Protection Agent functionality, enabling continuous disk-based data protection for remote file servers with LAN or WAN connectivity to the Backup Exec Continuous Protection Server. Continuous disk-based protection simplifies backups by consolidating

data protection into a central server, eliminates the backup window needed to protect each file server, and provides faster restores by helping to ensure business-critical data is immediately accessible. Point-in-time snapshots of data on the Continuous Protection Server are periodically captured and protected to provide versioning and granular point-in-time recovery of files. Full system state information is also protected. End users can seamlessly retrieve previous versions of files using Backup Exec Retrieve, a simple Web-based recovery tool.

#### *Remote Agent for NetWare Servers*

The Remote Agent for NetWare Servers incorporates remote NetWare server data protection and recovery into daily backup and recovery activities. This agent offers 100 percent SMS compatibility and NDS bindery information for NetWare servers. Exclusive Agent Accelerator technology helps maximize backup and recovery performance by providing source-level compression and distributed processing to reduce network traffic and maximize throughput.

#### *Remote Agent for Linux or UNIX Servers\**

Provides high-performance networkwide data protection and recovery for 32- and 64-bit remote Linux and UNIX servers, including support for Intel Xeon EMT64, Intel Pentium EMT64, AMD Athlon, and AMD Opteron processors. The redesigned agent extends Backup Exec software's advanced agent technology beyond Windows and NetWare to meet the needs of the emerging business applications on Linux operating systems.



## Data Sheet: Backup and Recovery

### Symantec Backup Exec 11d for Windows Servers—Options/Agents

This agent offers full or incremental, or differential, backup and restore for the following products:

- Red Hat®
- Red Flag
- Miracle
- SUSE
- Sun™ Solaris™ (SPARC)
- VMware
- HP-UX®
- NOES SUSE Linux

Please visit [http://support.veritas.com/menu\\_ddProduct\\_BEWNT\\_view\\_CL.htm](http://support.veritas.com/menu_ddProduct_BEWNT_view_CL.htm) for a complete list of supported versions.

#### *New! Remote Agent for Macintosh Servers*

The new Symantec Backup Exec 11d Remote Agent for Macintosh Servers provides support for online nondisruptive backup of Mac OS® X (PowerPC only) servers. The expanded platform support broadens the target market for Backup Exec customers by increasing support for heterogeneous platforms.

#### *Desktop and Laptop Option*

With the majority of business-critical information residing outside the data center or off corporate servers, protection for desktops and laptops is a must. The Desktop and Laptop Option delivers continuous data protection to desktops and laptops whether in the office or on the road. Not only improving data protection and efficiency, this option

enables users to restore their own files and maintains synchronization between multiple desktops and laptops so the most up-to-date file versions are available on all of a user's computers. Because the Desktop and Laptop Option does not require a dedicated stand-alone server as competing products do, it easily integrates into existing IT infrastructure and policies, helping lower the total cost of ownership.

The new push-install functionality from within Backup Exec centralizes deployment. Release 11d adds support for Windows XP 64-bit OS, as well as delta file transfer, reducing the total amount of data being backed up. With this release, this option is integrated with Backup Exec Retrieve (available with the Backup Exec Continuous Protection Server) for even greater simplified file recovery.

#### **Online groupware agents**

##### *Agent for Microsoft Exchange Server\**

The new version supports continuous data protection for Exchange Server and revolutionizes data protection and recovery by eliminating the daily backup window for Exchange backup jobs while still allowing recovery of individual mailboxes, messages, and folders—in seconds. Additionally, administrators do not need to run a mailbox (or MAPI) backup, which significantly reduces the number of backups and time required to protect Exchange. The enhanced Exchange Agent can granularly recover from a single full backup, eliminating the need for multiple Exchange backups.



Fast, flexible technology protects vital Exchange Server 2000 and 2003 data while the application is online. This agent provides full or incremental, or differential, backup and restore of embedded objects, attributes, and all Microsoft Outlook components. Restore can automatically mount the Exchange database upon completion of a restore job, which helps ensure a valid database is brought back online quickly.

Use of the Single Instance Storage feature eliminates backup of duplicate information by storing only the first instance of a mail message or an attachment distributed to multiple mailboxes. For Exchange Server 2003 support, the mailbox or message-level restores from a full traditional backup do not require installation of a separate Exchange Server 2003 server.

#### *Agent for Microsoft SharePoint Portal Server\**

Recover critical data in seconds with the new Agent for Microsoft SharePoint Portal Server (SPS). And now, individual documents can be restored from SharePoint Portal Server 2003, offering you quick recovery of only the specific file or version of a file that has been deleted or corrupted. Also, the SharePoint Agent has additional application support—now you can use the agent with SharePoint Services in addition to SharePoint Portal Server. This agent safeguards a SharePoint Portal Server 2001 and 2003 corporate knowledge-base system with online, fast, and reliable data protection and recovery. SharePoint Portal Server 2003 introduces server farm configurations. These new distributed configurations are fully supported by the enhanced agent.

Protected portal components include the Web Storage System, Search Service, Server Configuration files, and the Applications folders. Restore options include a full database and dependent data restores or redirection to an alternate SharePoint Portal Server. Restores can be made to the original SPS information store or redirected to another SPS information store without affecting other workspaces.

#### *Agent for Lotus Domino®\**

Integrates comprehensive data protection of vital Lotus Domino 6.x and 7.x messaging and collaboration databases within daily backup activities. The backup and restore of partitioned and clustered Lotus Domino servers are also supported (clustering with Microsoft Cluster Server). Using the native Domino backup API, this option integrates non-disruptive data protection of the databases and transaction logs. Flexible restore options include database redirection and point-in-time “rollback” recovery of databases or transaction logs. Users also benefit from user-controlled recycling of the transaction logs, reducing manual intervention and speeding up recovery. Together with Backup Exec core software, the Lotus Domino agent performs the data protection functions vital to the protection of Lotus Domino server data and eliminates the need for separate administration and dedicated backup hardware.

#### *Online database agents*

##### *Agent for Microsoft SQL Server\**

The latest features include continuous protection of SQL databases and flexible recovery of SQL databases to destinations other than where they originated, directing a copy of the actual data streams being sent to media by a SQL database to a local directory for later use. The SQL Server 2005 snapshots are integrated into the Backup Exec catalog for a consolidated look at all data copies available for recovery in seconds.

## Data Sheet: Backup and Recovery Symantec Backup Exec 11d for Windows Servers—Options/Agents

This agent helps ensure business-critical databases and e-business data are protected in the event of application- or hardware-based corruption or loss. It provides SQL Server 7.0, SQL Server 2000, and SQL Server 2005 users with granular protection on 32- and 64-bit systems down to the individual database or file group. Execute differential backups as well as transaction log backups with automatic truncation.

Restore with one-pass recovery of the last full and any subsequent backup as a single restore job, or perform “rollback restores,” enabling a database to be recovered to a specific moment in time, rather than a specific restore point based on the last backup job.

Microsoft Virtual Device Interface (VDI) support gives users the most dependable and fastest method available for comprehensive SQL Server protection. You can perform a redundancy check to verify the integrity of the SQL backup. This option works with the Verify Only Restore Job option. Also, you can verify the integrity of the SQL data on the media and help ensure that the destination SQL database can accept the data before the database is deleted or overwritten during a restore job.

### *New! Agent for Active Directory\**

Recover critical Active Directory data in seconds with this new agent. The Symantec Backup Exec 11d Active Directory Recovery Option allows you to restore Active Directory or Active Directory Application Mode (ADAM) objects, including deleted user accounts, and individual attributes online without having to perform an offline authoritative or non-authoritative full Active Directory restore. With the importance of Active Directory in today’s Windows environments, protecting it is now simpler.

### *Agent for Microsoft Data Protection Manager\**

Provides high-performance networkwide data protection for the Microsoft Data Protection Manager, including SQL Server components.

### *Enhanced! Agent for Oracle on Windows and Linux Servers\**

Integrate nondisruptive data protection for business-critical Oracle 10g, 9i, 8i, and 8.x databases. Use advanced features, such as the granular protection of individual table spaces or a complete application/database backup and the protection of archived redo logs and control files, without ever taking them offline. Backup Exec 11d delivers full support of Oracle's Recovery Manager (RMAN). Initiate backups and restores from the Backup Exec media server or from the Oracle RMAN console. Multistream support is available for increased performance during backups and restores. Supports Intel Xeon EMT64, Intel Pentium EMT64, AMD Athlon, and AMD Opteron processors. The new version also supports Red Hat and SUSE Linux.

### *New! Agent for Oracle RAC on Windows or Linux Servers\**

With this new Symantec Backup Exec 11d Oracle RAC Agent, protect an Oracle application server or business-critical applications requiring high availability running within Oracle Real Application Clusters on Windows and Linux servers. Initiate backups and restores from the Backup Exec media server or from the Oracle RMAN console. Multistream support is available for increased performance during backups and restores.



*New! Agent for DB2 on Windows Servers\**

The new Symantec Backup Exec 11d Agent for DB2 supports the backup and restore of IBM® DB2 on Windows servers, allowing administrators to view logical objects (databases, table spaces) and select these entities to be recovered to a specified point in time. Initiate backups and restores from the Backup Exec media server or from the DB2 Command Line Processor.

*Agent for SAP Applications\**

Provides SAP certified data protection for business-critical SAP applications while the application is still online and in use—supporting both Oracle and MaxDB database. The Agent for SAP is a reliable solution that allows Backup Exec software to provide both local and remote protection of databases using the SAP (BC-BRI BACKINT) interface for efficient data management.

Backup Exec for Windows Servers is certified with SAP NetWeaver and BR\*Tools6.40. Protect and recover SAP applications running in a cluster environment. For protection of SAP that is running on Microsoft SQL database, Backup Exec agent for Microsoft SQL Server should be used.

**Disaster recovery options**

**Introducing Backup Exec System Recovery**

Backup Exec System Recovery lets you restore any system anytime, from anywhere, to virtually any device, letting you recover systems in minutes, not hours or days. Backup Exec System Recovery (formerly LiveState™ Recovery) combines the speed and reliability of disk-based, bare-metal Windows system recovery with revolutionary technologies for hardware-independent restoration and lights-out operation. Administrators can now dramatically minimize downtime by rapidly recovering entire systems, even to dissimilar hardware platforms and virtual environments, using the Restore Anywhere functionality in Backup Exec System Recovery. When systems fail, you can quickly restore them to a specified point in time without taking hours to manually rebuild and restore them. Additionally, you can remotely restore unattended servers in distributed locations from a Windows desktop, laptop, or even a Pocket PC.

*Intelligent Disaster Recovery Option*

Now delivering faster system recovery, the Intelligent Disaster Recovery Option saves time by automating the traditional manual, error-prone process. This tape-based system recovery solution automates server recovery, reducing the time to recovery, and gets you back into business fast. Implement a server recovery solution for both local and remote Windows servers, eliminating the need to first reload the entire operating system of crashed servers. Using bootable tape, the Intelligent Disaster Recovery Option quickly recovers downed servers, enabling restores from the last complete backup set, including full, differential, incremental, and working set backups.

The Intelligent Disaster Recovery Option integrates directly with Microsoft's Automated System Recovery (ASR) functionality in Windows Server 2003 and Windows XP to provide comprehensive disaster recovery on Windows servers. The comprehensive protection is available for remote, LAN-based computers that use Intel 32-bit and 64-bit Itanium processors. Restore with one-pass recovery of the last full and any subsequent backup as a single restore job, or perform "rollback restores," enabling a database to be recovered to a specific moment in time, rather than a specific restore point based on the last backup job.

#### *Intelligent Disaster Recovery Option for Remote NetWare Servers*

Delivers the same automated, time-saving server recovery for NetWare servers by providing a simplified point-in-time recovery solution for both local and remote NetWare 5.1 and 6.0 servers that may have been physically damaged or reconfigured during an upgrade.

#### **Storage options**

##### *Library Expansion Option*

Scales the media storage system by leveraging additional drives within multidrive tape or optical autoloader/library storage systems. This option's Advanced Device and Media Management (ADAMM) technology provides extensive configuration and management capabilities, including lights-out backup and restore operations and bar code reader and portal support for both SCSI and Fibre attached devices. Users can partition slots within a library to target backup jobs to a specific slot.

##### *SAN Shared Storage Option*

This powerful LAN-free backup solution allows multiple distributed backup servers to centralize storage devices that are connected over a switched fabric or iSCSI SAN for greater performance, efficiency, and fault tolerance. SAN Shared Storage Option load balances job activity across shared devices from multiple Backup Exec servers. The increased performance, backup speeds, and centralized management of media help lower the total cost of ownership. The SAN Shared Storage Option is a groundbreaking solution in manageability and performance for large-scale, high-end storage environments.

##### *New! NDMP Option*

This new Symantec Backup Exec 11d Option supports the backup and restore of NDMP v.4/NetApp Filers with tape devices attached. New support for NetApp NDMP devices greatly expands the number of disk targets that can be selected for disk-based data protection.

#### **Languages**

English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Korean

#### **Operating system**

- Microsoft Windows 2000 Server (with Service Pack 4 and Update Rollup 1 for Service Pack 4)
- Microsoft Windows Server 2003
- Microsoft Windows Server 2003 x64 Editions
- Microsoft Windows Server 2003 R2 Editions
- Microsoft Windows Storage Server 2003 (with Service Pack 1)

- Microsoft Windows Storage Server 2005
- Microsoft Windows XP (with Service Pack 2)
- Microsoft Windows XP Professional x64 Edition
- Microsoft Windows Small Business Server 2000 (with Service Pack 4)
- Microsoft Windows Small Business Server 2003 (with Service Pack 1)

#### **Client support**

Microsoft Windows XP, Windows 2000 Professional, Windows NT® 4.0 Workstation, Windows ME, Windows 98

#### **Internet browser**

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

#### **Processor**

Intel Pentium, Xeon, AMD, or compatible

#### **Memory**

- Required: 256 MB RAM
- Recommended: 512 MB RAM (or more for better performance)
- **Note:** RAM requirements may vary depending on the operations performed, the options installed, and the specific computer configuration.
- For the Central Admin Server Option: 512 MB RAM required, 1 GB recommended.
- Virtual memory recommendations: 20 MB above the Windows recommended size for total paging file size (total for all disk volumes)

\* These options include a Remote Agent (CAL) for Windows Servers.

#### **Disk space**

- 696 MB (typical installation)
- 805 MB (includes all options)
- **Note:** Disk space requirements may vary depending on the operations performed, the options installed, and the specific system configuration. Backup Exec database and catalogs require additional space.

#### **Virtual memory recommendations**

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

#### **Other hardware**

- Network interface card or a virtual network adapter card
- CD-ROM drive
- (Recommended) A mouse
- (Optional for pager notification) Modem supported by Microsoft Windows
- (Optional for printer notification) Printer supported by Microsoft Windows

#### **Storage hardware**

Backup Exec requires at least one storage media drive or single-drive robotic library and the appropriate controller card. You can also use removable storage devices and non-removable hard drives. For a complete list of supported devices, refer to the Backup Exec hardware compatibility list at [http://support.veritas.com/menu\\_ddproduct\\_bewnt\\_view\\_cl.htm](http://support.veritas.com/menu_ddproduct_bewnt_view_cl.htm).

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

### More information

*Visit our Web site*

<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 the world leader in providing solutions to help individuals and enterprises assure the security, availability, and integrity of their information. Headquartered in Cupertino, Calif., Symantec has operations in more than 40 countries. More information is available at [www.symantec.com](http://www.symantec.com).

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