

Symantec Backup Exec™ System Recovery

The Gold Standard in Complete Windows® System Recovery

Overview

Symantec Backup Exec System Recovery 7.0 is a complete, disk-based system recovery solution for Microsoft® Windows® based servers, desktops, and laptops that allows businesses to recover from system loss or disasters in minutes, not hours or days—even to dissimilar hardware platforms, virtual environments, or in remote, unattended locations.

From small businesses to larger Windows environments, Backup Exec System Recovery is the gold standard in complete Windows system recovery.

Key benefits

Recovers complete Windows systems in minutes, not hours or days

- Recovers server, desktop, and laptop systems, even from a bare-metal state
- Recovers to dissimilar hardware or virtual environments with Symantec Restore Anywhere™ technology
- Supports Microsoft Windows Vista™ and Extended 64-bit (EM64T, AMD64) environments

Enhanced Microsoft Exchange, virtual and data recovery capabilities

- Recovers individual Exchange messages, folders, and mailboxes
- Supports VMware ESX Server and Microsoft Virtual Server
- Enables end user file recovery via Google™ Desktop or Backup Exec Retrieve

New centralized management

- Provides simple, at-a-glance management of all backup and recovery processes
 - Delivers reporting functionality and trend analysis views
 - Scales from small businesses to larger Windows environments
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Features

Powerful Windows recovery capabilities

(Server Edition, Desktop Edition, and Windows Small Business Server Edition)

- Captures and protects the entire Windows system including the operating system, applications, databases, all files, device drivers, profiles, settings, and registry in one easy-to-manage recovery point—without disrupting user productivity or application usage.
- Perform a full system restoration, even to bare-metal systems, in minutes—without the need to manually reinstall and reconfigure operating systems, applications, system settings, and preferences.
- Symantec Recovery Disk auto-detects hardware and loads the appropriate drivers to boot the system, eliminating the need to manually build recovery floppy disks.
- **New!** Customizable Symantec Recovery Disk automatically harvests system drivers not already included on the Symantec Recovery Disk and also allows administrators to add additional drivers for a customized recovery environment tailored to meet your unique hardware needs.
- **New!** Calendar View shows past, present and future recovery points for each volume on the system and the protection level of each.



Data Sheet: Backup and Recovery

Symantec Backup Exec System Recovery

- **New!** Google™ Desktop integration allows for familiar rapid search and retrieval of files and folders using a common web-browser interface.
 - **New!** Dynamic CPU-based performance throttling improves performance on desktops and servers to utilize resources more efficiently while capturing a recovery point. Also includes support for Dual- and Quad-Core systems.
 - Scheduled recovery points help ensure systems are automatically backed up while allowing administrators to focus on other tasks.
 - **New!** File/Folder Backup and Recovery allows administrators to backup selective files and folders on a separate schedule from full system or volume recovery points. Users can also search and retrieve files from file/folder backups.
 - **Improved!** Recovery point granularity means you can schedule incremental recovery points as often as 15 minutes, thus saving time and reducing disk storage requirements by capturing only the changes that were made since the last recovery point.
 - **New!** Automated best practice scheduling based on system configuration and storage availability.
 - **New!** Customizable Event Driven Recovery Points allow users to specify which executable(s) or .com files they wish to trigger a new recovery point. This expands on the existing set of event triggers (prior to application installation, user log on or off, and configurable storage utilization changes).
 - **New!** Manage backup destinations to optimize the hard drive space being used for storing backups.
 - Save recovery points to virtually any disk storage device, including direct attached storage, NAS, SAN, USB drive, FireWire drive, CD, DVD, and so on.
 - Network bandwidth throttling enables administrators to generate recovery points to network locations without overloading the network.
 - Microsoft Volume Shadow Copy Service (VSS) integration automatically sets databases that are VSS-aware into the “quiet” state so that recovery points can be captured without taking the databases offline.
 - Pre- and post-command processing allows administrators to customize additional actions they wish to take prior to capturing a recovery point, or after a recovery has been captured.
 - Mount recovery points in Windows Explorer for immediate search, file recovery or virus scanning.
 - Support for Microsoft Active Directory® allows a restored domain controller to be re-synchronized with its originating domain.
 - SNMP traps enable administrators to use existing network management consoles to report on the status of scheduled recovery points.
- Flexible restoration options** (*Restore Anywhere technology*)
- Rapid recovery of entire systems to dissimilar hardware (breaking the barrier of incompatible storage controllers and hardware abstraction layers) reduces recovery times and saves significant hardware investments.
 - Hot imaging combines with the ability to restore to different hardware platforms on the fly.
 - **New!** NIC driver retargeting supports hardware-independent NIC drivers.
 - Users can migrate their system to a new computer without requiring a new installation. This is key when upgrading hardware or repurposing systems to serve a different role.
- Enhanced Virtual Support**
- **New!** Support for both VMware ESX and Microsoft Virtual Server.
 - Leverages the power of virtualization, enabling seamless physical to virtual (P2V) and virtual to physical (V2P)



Data Sheet: Backup and Recovery

Symantec Backup Exec System Recovery

conversions to VMware® ESX Server, VMware Server (formerly GSX Server), VMware Workstation, and Microsoft® Virtual Server disk formats.

- **New!** Easy-to-use, intuitive virtual conversion wizards simplify the conversion process.
- Simplifies Testing and Migrations—Perform preflight testing of patches, application installations, configuration changes, or driver updates in the virtual environment before applying changes to production systems.

Easy remote recovery (*LightsOut Restore capabilities*)

- Recover systems in remote or inaccessible locations.
- Eliminate in-person visits to perform a full bare-metal recovery by booting the system from its baseboard management controller (note that remote out-of-band power management capabilities are not provided with LightsOut Restore).
- The Symantec Recovery Disk is placed on the system hard drive, eliminating the need to access it from the CD.
- Drivers can be manually added directly to the Symantec Recovery Disk files located in the boot volume subdirectory.

Scalable centralized management (*Symantec Backup Exec System Recovery Manager*)

- Manage the installations of Symantec Backup Exec System Recovery across your entire organization to simplify administration.
- Monitor the current protection status of all managed systems with the at-a-glance consolidated “Home Page” view. You can also access “Hot Spots” for quick problem analysis and view historical trends.
- View real-time status of backup jobs with the ability to filter on computer name, job type, job name, and

IP address, and examine errors to troubleshoot any problems identified.

- Centralized access to computer details including volume name, size, amount and percentage of space used, file system type, and last recovery point time and location.
- Enable end user recovery of files and folders without IT intervention with intuitive, web-based search using Backup Exec Retrieve.
- Search and recover data in Backup Exec for Windows Servers Continuous Protection Server environments as well as Backup Exec System Recovery environments with Universal Backup Exec Retrieve.
- Define recovery point policies for groups of servers or desktops with similar requirements, then simply drag and drop to deploy the policies.
- Generate predefined reports or build custom reports and export to .csv, .html, Excel spreadsheet, or .xml formats for easy distribution to IT management.
- Enable role-based administration for varying levels of administration.
- Set default configuration settings for an individual system or groups of systems, including performance throttling, network bandwidth utilization, and notifications via email or SNMP traps.
- Jump-start the creation of recovery points on remote systems when jobs are missed.
- Supports centralized administration of pre-existing Backup Exec System Recovery 6.5 installations.
- Includes the Backup Exec System Recovery Download Center, an automated Web site for client download and distribution.



Enhanced Exchange recovery (*Symantec Backup Exec System Recovery Exchange Retrieve Option*)

- Protects entire Exchange server quickly and easily enabling granular and full system recovery without the need for multiple backups.
- Locates the Exchange database file (.edb) automatically from selected Recovery Points and prepares for granular email recovery.
- Recovers critical Exchange mailboxes, folders, messages, or attachments in seconds—without the need for mailbox backups—and lets you forward them directly through Microsoft Outlook® if desired.
- Allows rapid, easy search capability to quickly locate desired email message(s).

Available products

The Symantec Backup Exec System Recovery 7.0 family includes the following products:

- Symantec Backup Exec System Recovery Server Edition
- Symantec Backup Exec System Recovery Windows Small Business Server Edition (includes the Symantec Backup Exec System Recovery Exchange Retrieve Option)
- Symantec Backup Exec System Recovery Desktop Edition
- Symantec Backup Exec System Recovery Manager
- Symantec Backup Exec System Recovery Exchange Retrieve Option
- Symantec Backup Exec for Windows Servers System Recovery Option (a streamlined, lower-priced version of Backup Exec System Recovery Server Edition designed specifically for Backup Exec for Windows Servers customers)

System requirements

Backup Exec System Recovery

Operating system

Microsoft Windows 32-bit or 64-bit operating systems:

- Windows Vista Home Basic, Home Premium, Ultimate, or Business
- Windows XP Professional/Home (SP2 or later), or Media Center
- Windows Small Business Server 2000 or 2003
- Windows Server® 2000 (SP4 or later) or 2003
- Windows 2000 Advanced Server (SP4 or later)
- Windows 2000 Professional (SP4 or later)

RAM

- Backup Exec System Recovery Agent: 256 MB
- Backup Exec System Recovery user interface and Recovery Point Browser: 256 MB
- Symantec Recovery Disk: 512 MB minimum (dedicated)
- Backup Exec System Recovery LightsOut Restore: 1 GB

Available hard disk space

- Backup Exec System Recovery Service: 65.2 MB
- Recovery Point Browser: 30.6 MB
- Microsoft .NET Framework 2.0: 280 MB (32-bit computers); 610 MB (64-bit computers)
- Recovery points: Sufficient hard disk space on a local hard disk or network server for storing recovery points
- Backup Exec System Recovery LightsOut Restore: 500 MB

CD-ROM or DVD-ROM drive

The drive can be any speed, but must be bootable from the BIOS. Backup Exec System Recovery uses Gear Software technology. To verify that your CD writer or DVD writer is compatible, visit www.gearsoftware.com/support/recorders/index.cfm. You can look up information about your writer if you know its manufacturer and model number.

Data Sheet: Backup and Recovery

Symantec Backup Exec System Recovery

Software

The Microsoft .NET Framework 2.0 is required to run Backup Exec System Recovery. If the .NET Framework is not already installed, Backup Exec System Recovery will initiate a prompt to install it for you.

Virtual platforms (for converted recovery points)

- VMware GSX Server 3.1 and 3.2
- VMware Server 1.0 (replacement/rename for GSX Server)
- VMware ESX Server 2.5 and 3.0
- VMware Infrastructure 3 (replacement/rename for ESX Server)
- VMware Workstation
- Microsoft Virtual Server 2005 R2

Backup Exec System Recovery Manager

Processor

- Intel Pentium® 3: 1 GHz or higher
- Intel Pentium 4: 3.0 GHz or higher recommended

Operating system

Microsoft OS (with min service pack)	Console	Server
Windows Vista Home Basic	X	
Windows Vista Home Premium	X	
Windows Vista Ultimate	X	
Windows Vista Business	X	
Windows Server 2003 x64 Editions (SP 1)	X	X
Windows Server 2003 R2 Editions (SP 1)	X	X
Windows Server 2003 (SP 1)	X	X
Windows Small Business Server 2003 (SP 1)	X	X
Windows Advanced Server 2000 (SP 4)	X	
Windows Server 2000 (SP 4) and Update Rollup 1 for SP 4	X	
Windows Small Business Server 2000 (SP 4)	X	
Windows XP Professional x64 Edition (SP 1)	X	
Windows XP Professional (SP 1)	X	
Windows Professional 2000 (SP 4)	X	

RAM

- Backup Exec System Recovery Manager server: 1 GB
- Backup Exec System Recovery Manager console:
Dependent on the operating system

Available hard disk space

- Backup Exec System Recovery Manager console: 100 MB
- Backup Exec System Recovery Manager server: 750 MB
- Backup Exec Retrieve: 15 MB
- Microsoft .NET Framework 2.0: 280 MB (32-bit computers); 610 MB (64-bit computers)
- Storage space on the network for the recovery points

Software

Microsoft .NET Framework 2.0 is required to run Backup Exec System Recovery Manager and Backup Exec System Recovery on client computers. When you start the Backup Exec System Recovery Manager console for the first time, .NET is automatically installed if it does not already exist or an older version exists.

Note: Microsoft .NET Framework 2.0 must be installed on client computers before you install Management Control.



Backup Exec System Recovery Exchange Retrieve Option

Processor

Intel Pentium® class or later

Operating system

Windows 32-bit or 64-bit operating systems:

- Windows Vista Ultimate
- Windows Vista Business
- Windows XP Professional (SP1 or later)
- Windows Small Business Server 2000 or 2003
- Windows Server 2000 (SP4 or later) or 2003
- Windows 2000 Advanced Server (SP4 or later)
- Windows 2000 Professional (SP4 or later)

RAM

- 256 MB minimum

Available hard disk space

- 10 MB

Software

You must have the following software installed on your computer before you install the Backup Exec System Recovery Exchange Retrieve Option:

- Symantec Backup Exec System Recovery
- Microsoft Outlook 2003
- Microsoft .NET Framework 2.0 (included in the Symantec Backup Exec System Recovery installation)

More information

Visit our Web site

www.backupexec.com or www.symantec.com

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Through Symantec Consulting Services, you can receive onsite technical expertise from our experienced consultants. Please contact your Symantec Sales Representative for more information or visit the Symantec Consulting Services Web site at <http://www.symantec.com/enterprise/products/category.jsp?pcid=1015>.

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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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