

# Symantec Backup Exec™ System Recovery

Protect Against Business Downtime and Disaster with Rapid, Reliable Backup and Recovery

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## Overview

Symantec Backup Exec System Recovery 2010 is a simple, cost-effective backup and recovery solution for small businesses that helps minimize downtime and avoid disaster by easily recovering individual data files/folders or complete Windows systems in minutes – not hours or days – even to different hardware, virtual environments, or remote locations.

It is the perfect standalone solution for small business customers with 1 – 4 Windows servers and can scale to larger Windows environments as well, working in conjunction with Symantec Backup Exec™.

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## Key Benefits

### ***Manage your business, not your backups***

- Backup automatically while you work, without disrupting productivity.
- Protect proactively, both data and systems through scheduled or event-driven backups.
- Flexible off-site protection enhances disaster recovery capabilities.

### ***Easily recover what you need, when and where you need it***

- Recover complete Windows systems in minutes, including Windows Server 2008 R2 and Windows 7.
- Rapid and reliable recovery to different hardware, virtual environments or remote locations.
- Easily restore files or folders, Exchange email messages or SharePoint documents in seconds.

### ***Minimize the impact of downtime and disruption***

- Replace time-consuming manual processes with fast, automated recovery.
- Rapid, reliable recovery using disk-based technology.
- Remote recovery of data or systems – without requiring on-site IT support.

### ***New editions and options to support your diverse backup and recovery needs***

- Linux Edition – restore complete Linux systems or individual files/folders in minutes to dramatically minimize downtime (available December 2009).
  - Virtual Edition – protect an unlimited number of Windows virtual guest machines per host with a single license.
  - Centrally manage system backup and recovery with Symantec Backup Exec System Recovery Management Solution.
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## Features

### ***Powerful Windows recovery capabilities***

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

- Capture and protect 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 media.
- 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.
- Off-site copy functionality enables you to automatically copy recovery points to a remote server using FTP or to an external hard drive or network share to enhance your disaster recovery efforts.
- Calendar View shows past, present, and future recovery points for each volume on the system and the protection level of each.
- Scheduled recovery points help ensure systems are automatically backed up, allowing administrators to focus on other tasks.
- Incremental recovery points can be scheduled as often as every 15 minutes if desired. Incremental recovery points save time and reduce disk storage requirements by capturing only the changes that were made since the last recovery point.
- Customizable Event Driven Recovery Points allow users to specify which executable(s) or .com files they wish to trigger a new recovery point. Additional event triggers include: prior to application installation, user log on or off, and configurable storage utilization changes.

- Save recovery points to virtually any disk storage device, including direct-attached storage, NAS, SAN, USB drive, FireWire drive, CD, DVD, Blu-ray Disc and so on.
- Integration with Symantec ThreatCon allows you to easily configure Backup Exec System Recovery to automatically run a backup when the Symantec ThreatCon level reaches or exceeds the level you specify.
- Dynamic CPU-based performance throttling improves performance on desktops and servers to utilize resources more efficiently while capturing a recovery point. Also included is support for dual- and quad-core systems.
- Cold imaging technology enables IT administrators to capture a backup of a system in a preboot state, without having to install any software on the system.
- File/Folder Backup and Recovery allows administrators to back up 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.
- Google™ Desktop integration allows for familiar rapid search and retrieval of files and folders using a common Web-browser interface.
- Manage backup destinations to optimize the hard drive space being used for storing backups.
- USB drive identification intelligently and uniquely communicates to USB drives and will run backup jobs to the given device even if the drive letter changes.
- 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 point 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 resynchronized with its originating domain.

#### **Flexible restoration options**

(Symantec Restore Anywhere™ technology)

- Quickly and easily restore entire systems to dissimilar hardware to dramatically reduce recovery times and save on significant hardware investments.
- Hot imaging combines with the ability to restore to different hardware platforms on the fly and breaks the barrier of incompatible storage controllers and hardware abstraction layers.
- Restore Anywhere also supports network interface controllers (NICs), ensuring that your NIC will function properly after a recovery point has been restored to dissimilar hardware.
- 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 Exchange, SharePoint, and file/folder recovery**

(Symantec Backup Exec System Recovery Granular Restore Option – **now included with the core Server and Small Business Server Editions**)

- From a single, multi-tab interface, quickly recover individual Exchange messages, SharePoint documents, or files and folders.
- Recover critical Exchange mailboxes, folders, or messages with any associated attachments in seconds—without the need for mailbox backups—and forward them directly through Microsoft Outlook® if desired. **Now supports Exchange 2010!**
- Recover Microsoft SharePoint Server documents in seconds from a single system recovery point.
- Restore files and folders in seconds with the ability to search multiple recovery points at the same time.

#### **Enhanced virtual support**

- Leverages the power of virtualization for seamless physical-to-virtual (P2V) and virtual-to-physical (V2P) conversions, now including support for VMware vSphere 4.0, Microsoft Hyper-V Server 2008 R2, and Citrix XenServer 5.x.
- An easy-to-use virtual conversion wizard allows for quick conversion directly to VMDK or VHD files. Additionally, IT administrators can set a schedule for having physical recovery points (backups) converted to virtual systems, enabling immediate recovery.
- Simplifies testing and migrations—Perform preflight testing of patches, application installations, configuration changes, or driver updates in a virtual

environment before applying changes to production systems.

- **New!** Virtual Edition protects an unlimited number of Windows virtual guest machines per host with a single license. This provides a cost-savings for organizations when protecting virtual environments.

#### **Easy remote system recovery**

(LightsOut Restore capabilities)

- 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.

#### **Powerful Linux recovery capabilities (Available December 2009)**

**New!** Linux Edition provides image level backup of Red Hat & SUSE Linux systems through a command-line interface, including hot or cold backups of system volumes, configurable compression and encryption.

- Rapid, reliable backup and recovery for Linux operating systems.
- Recover entire systems, volumes or individual files and folders.
- Central management is available through Backup Exec System Recovery Management Solution - including a

graphical user interface to schedule and manage backups.

#### **Scalable centralized management – now available at no-charge**

**(New! Symantec Backup Exec System Recovery Management Solution - Powered by the Symantec Management Platform)**

- Centrally manage system backup and recovery operations for Backup Exec System Recovery 2010, 8.5 and 8.0 as well as Backup Exec System Recovery Linux Edition.
- Manage up to 2,500 clients, whether they are servers, small business servers, desktops or laptops, with one instance.
- Monitor the current protection status of all managed systems across your entire organization with the at-a-glance consolidated Home Page view.
- Centralized access to computer details includes volume name, size, amount and percentage of space used, file system type, and last recovery point time and location.
- Quickly identify and drill-down to problem areas via powerful filtering system.
- Create, edit, and distribute backup jobs, policies and client settings.
- Discover unprotected clients with remote client discovery.
- Centralized agent deployment provides the ability to push installation packages and upgrade packages out to remote systems.
- Enables remote recovery of Windows volumes or complete Windows systems.

- Manage physical to virtual conversions, off-site copy capabilities and backup destination monitoring from a central location.
- Physical-to-virtual (P2V) operations can be scheduled separately, with a single P2V task converting backups from multiple systems and optionally uploading them directly to a Hyper-V 2008 R2 or vSphere 4.0 host.
- Off-site copy operations can also be scheduled separately. Dedicated off-site support removes processing overhead from protected resources.
- Advanced reporting and management capabilities via integration with the Symantec Management Platform.
- Centrally configure policies that control the alerting features of Backup Exec System Recovery 2010 such as SMTP (email alerts), SNMP traps, Windows event log notifications, etc.

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### Available Products

The Symantec Backup Exec System Recovery 2010 family includes the following products:

- Symantec Backup Exec System Recovery Server Edition
- Symantec Backup Exec System Recovery Small Business Server Edition
- Symantec Backup Exec System Recovery Desktop Edition
- Symantec Backup Exec System Recovery Virtual Edition
- Symantec Backup Exec System Recovery Linux Edition
- Symantec Backup Exec System Recovery Management Solution

### System Requirements

#### Backup Exec System Recovery 2010

##### Operating system

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

- Windows 7 Ultimate, Enterprise or Professional
- Windows Vista® Ultimate, Business or Enterprise
- Windows XP Professional/Home (SP2 or later) or Media Center
- Windows Small Business Server 2003 or 2008
- Windows Essential Business Server 2008
- Windows Server® 2003, 2008 (including SP1) and Server 2008 R2

##### Virtual platforms (for converted recovery points)

- VMware vSphere 4.0
- VMware ESXi 3.5 and 4.0
- VMware ESX 3.0, 3.5 and 4.0
- VMware Server 1.0 and 2.0
- VMware Workstation 4, 5, and 6
- Microsoft Hyper-V 1.0 and Hyper-V Server 2008 R2
- Microsoft Virtual Server 2005 R2 and later
- Citrix XenServer 4.x and 5.x

## Backup Exec System Recovery Linux Edition

### Operating system

- SUSE Linux Enterprise Server 10, SP1 and SP2 (x86) 32-bit
- SUSE Linux Enterprise Server 10, SP1 and SP2 (x86\_64 not ia64) 64-bit
- Red Hat Enterprise Linux 5.0, 5.1, 5.2, 5.3 (x86) 32-bit
- Red Hat Enterprise Linux 5.0, 5.1, 5.2, 5.3 (x86\_64 not ia64) 64-bit

For a full list of system requirements including RAM and hard disk space, visit [www.backupexec.com/besr](http://www.backupexec.com/besr)

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<http://www.backupexec.com> or <http://www.symantec.com>

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### About Symantec

Symantec is a global leader in providing security, storage, and systems management solutions to help businesses and consumers secure and manage 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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