

# Symantec Backup Exec™ 2010 Agents and Options

## Overview

Symantec Backup Exec 2010 Agents and Options enhance and extend platform and feature support for Backup Exec environments. Whether you need to protect critical Microsoft applications or non-Microsoft Operating systems, Backup Exec 2010 has an expansive portfolio of high powered Agents and Options to scale and grow your Backup Exec environment.

## Suites

### NEW Backup Exec Deduplication Suite

Save over 20% off MSRP with the latest Deduplication Suite! Experience the new benefits of integrated deduplication in Backup Exec 2010 through a special Suite offering.

Included in this suite is one Backup Exec Media Server license and one Deduplication Option license which will support your entire media server environment.

### NEW Backup Exec Deduplication and Archive Suite<sup>1</sup>

Save over 20% off MSRP with the latest Deduplication and Archiving Suite! Experience the benefits of both integrated deduplication and Exchange archiving in Backup Exec 2010 through a special suite offering.

Included in this suite is one Backup Exec Media Server license, one Deduplication Option license which will support your entire media server environment, one Exchange Archive Option (10 pack), and one Agent for Exchange.

## Agents

### ENHANCED Backup Exec Agent for VMware Virtual Infrastructures

The Backup Exec 2010 Agent for VMware Virtual Infrastructures delivers complete disk-to-disk-to-tape based data protection for growing VMware virtual environments while protecting existing physical server environments through one flexible console. Backup Exec 2010 can quickly restore individual files and folders from a single image-level backup - eliminating the time and storage requirements of a second file level backup

- One agent delivers comprehensive data protection to an unlimited number of VMware virtual guest systems
- Comprehensive backup application for virtual systems and legacy physical systems supporting disk and tape storage environments
- Integration with VMware Consolidate Backup (VCB) and vStorage to maximize backup and recovery performance
- Granular data recovery for VMware Infrastructures saves time and lowers cost

### ENHANCED Backup Exec Agent for Microsoft Hyper-V

The Backup Exec 2010 Agent for Microsoft Hyper-V provides a single agent to support an unlimited number of virtual guests running on a Windows Server 2008 R2 machine while protecting existing physical server files and Windows applications. Backup Exec 2010 can quickly restore individual virtual files and folders from a single image-level backup - eliminating the time and storage requirements of a second file level backup

- Single, comprehensive backup application for virtual systems and legacy physical systems
- Complete Windows data protection for new Windows

1. Not supported in a Backup Exec for Windows Small Business environment

Server 2008 Hyper-V systems R2 including LiveMigration

- One agent delivering affordable data protection to an unlimited number of Microsoft virtual systems
- Comprehensive backup application for virtual systems and legacy physical systems supporting disk and tape storage environments

#### **ENHANCED Backup Exec Agent for Enterprise Vault**

The Backup Exec 2010 Agent for Enterprise Vault provides customers with new integrated backup protection for Symantec Enterprise Vault archives, including support for Enterprise Vault 8. Backup Exec provides full application protection for Enterprise Vault directory databases, partitions or vault stores and indexes. Symantec Enterprise Vault customers can now backup and recover data quickly and easily with the latest Agent for Enterprise Vault archives. All backup and recovery jobs are managed through the Backup Exec console which allows users to easily select some or all of the Enterprise Vault resources they wish to backup as well as quickly browsing and selecting the Enterprise Vault components for recovery, including individual partition files and indexes.

#### **Backup Exec Agent for Active Directory**

Symantec Backup Exec 2010 Agent for Microsoft Active Directory dramatically reduces the time to recover from small disasters, helping to improve employee productivity, reduce the potential for greater issues, and alleviate the aggravation associated with traditional Active Directory protection and recovery. Only Backup Exec 2010 can leverage the innovative Granular Recovery Technology (GRT) which helps IT Administrators save time and money by giving them the ability to restore such critical data as individual user accounts, organizational units, even

individuals from a single pass backup while Active Directory remains online - no reboots!

- Restore objects without rebooting AD Domain Controllers
- Single pass backups for complete AD or object level recovery
- Support for 2008 Active Directory Domain Services
- Centralized System State and Active Directory protection

#### **Backup Exec Agent for DB2**

The Symantec Backup Exec 2010 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.

#### **ENHANCED Backup Exec Agent for Lotus Domino Server**

The Backup Exec Agent for Lotus Domino Server integrates comprehensive data protection of vital Lotus Domino 7.x, 8 and 8.5 messaging and collaboration databases within daily backup activities. Supports both 32-bit and 64-bit versions of Lotus Domino including partitioned and clustered Lotus Domino servers and new support for Domino Attachment Object Service (DAOS) store and associated NLO files.

Using the native Domino backup API, this option integrates non-disruptive data protection of the databases and transaction logs. Plus flexible restore options include database redirection and point-in-time "rollback" recovery of databases or transaction logs. Users benefit from user-controlled recycling of the transaction logs, reducing manual intervention and speeding up recovery.

### **ENHANCED Backup Exec Agent for Microsoft Exchange Server**

Using the native Domino backup API, this option integrates non-disruptive data protection of the databases and transaction logs. Plus flexible restore options include database redirection and point-in-time "rollback" recovery of databases or transaction logs. Users benefit from user-controlled recycling of the transaction logs, reducing manual intervention and speeding up recovery.

This agent now includes 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 messages, folders and mailboxes—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, 2003, 2007 and now 2010 data while the application is still online.

### **Backup Exec Agent for Microsoft SQL Server**

Continuous protection of SQL databases eliminates the daily backup window for SQL server and enables recovery of database transactions that have been made right up to the time of the hardware or software failure. Additionally, flexible recovery options allow IT administrators to restore 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 2008 snapshots are

integrated into the Backup Exec catalog for a consolidated look at all data copies available for recovery in seconds. This agent provides SQL Server 2008, 2005, 2000 and 7.0 users with granular protection on 32-bit and 64-bit systems down to the individual database or file group.

### **Backup Exec Agent for Microsoft SharePoint**

Recover critical data in seconds with the Agent for Microsoft SharePoint. This agent supports both Microsoft Office SharePoint Server 2007 and Microsoft SharePoint Portal Server 2003, as well as Windows SharePoint Services 2.0/3.0. Using a 32-bit or 64-bit Backup Exec 2010 media server, this agent can protect 32-bit or 64-bit MOSS-2007 servers deployed on a Single-Server or within a Multi-Server Farm. This Agent leverages the innovative Granular Recovery Technology (GRT) which helps users save time and money by providing the ability to restore individual documents, sites and list items quickly and easily from a single-pass database backup. GRT allows the IT Administrators to restore the documents to the original document library in the SharePoint farm or redirect the restore of documents to the file system.

### **Backup Exec Agent for Oracle on Windows and Linux Servers**

Integrate non-disruptive data protection for business-critical Oracle 11g, 10g, 9i, and 8i 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 2010 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.

Backup Exec 2010 also provides protection for Oracle application servers or business critical applications requiring high availability running within Oracle Real Application Clusters (RAC) 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.

### **Backup Exec 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 is certified with SAP NetWeaver and BR Tools 6.40. Protect and recover SAP applications running in a cluster environment. For protection of SAP that is running on Microsoft SQL database, the Backup Exec Agent for Microsoft SQL Server should be used.

### **Backup Exec Agent for Windows Systems**

The Agent for Windows Systems provides many benefits including Remote Agent support, Continuous Protection Agent capabilities, Advanced Open File protection and Intelligent Disaster Recovery. The Remote Agent expands network-wide data protection and optimizes data transfers

for 32-bit and 64-bit remote Windows servers. Exclusive Agent Accelerator technology helps optimize backup and recovery performance by providing source-level compression and distributed processing at the client. The Continuous Protection Agent enables continuous disk-based data protection for remote file servers with LAN or WAN connectivity to the Backup Exec Continuous Protection Server. Continuous 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. The Advanced Open File Option handles open files in multiple volumes and ensures files on local or remote servers are protected while in use and are not skipped when running a backup job. The Intelligent Disaster Recovery Option saves time by automating the traditional manual, error-prone process of system recovery. This tape-based system recovery solution quickly recovers downed servers, enabling restores from the last complete backup set, including full, differential, incremental, and working set backups. With four powerful technologies wrapped into one agent, users truly have complete data and system protection for every remote Windows server.

- Optimizes data transfers for 32-bit and 64-bit remote Windows servers for faster backups
- Protects open files on local or remote servers while in use
- Automates server disaster recovery for local and remote tape-based environments to quickly get your business back on track.
- Provides continuous disk-based protection, with

### **Backup Exec Remote Agent for Linux or UNIX Servers**

Provides high-performance network wide data protection and recovery for 32-bit 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. 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, Solaris 10 on Intel and AIX.

### **Backup Exec Remote Media Agent for Linux Server**

The Backup Exec 2010 Remote Media Agent for Linux Servers provides new storage flexibility for Linux servers running in a Backup Exec environment. Now IT administrators can directly attach a storage device to a remote Linux server providing added flexibility and reduced bandwidth requirements for backup jobs on remote Linux servers. Each Remote Media Agent for Linux Server would include a Remote Agent for Linux Servers and all media server job configurations would be centrally managed through the primary Windows media server console.

### **Backup Exec Remote Agent for Macintosh Servers**

The Symantec Backup Exec 2010 Remote Agent for Macintosh Servers provides support for on-line non-disruptive backup of Macintosh OS X 10.3, 10.4 and 10.5 operating systems. The 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.

### **Backup Exec 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.

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## **Options**

### **NEW Backup Exec Deduplication Option**

Easily reduce backup data storage costs while optimizing network utilization across physical and virtual environments. Backup Exec Deduplication Option (using NetBackup PureDisk technology) provides an integrated and customizable deduplication offering to optimize any backup strategy with: client deduplication (deduplicates data at source or remote server), media server deduplication (deduplicates data at media server), or appliance deduplication (integrates with OpenStorage deduplication appliances). In addition, users can also deduplicate a backup set copy to another Backup Exec Media server (deduplicates data from remote offices to headquarters) providing a solution that will adapt to any environment.

Backup Exec Deduplication Option is licensed per media server environment regardless of the deduplication strategy you deploy.

### **NEW Backup Exec Exchange Archive Option<sup>1</sup>**

Provides unified backup and archiving for growing Exchange environments by uniquely archiving data from the backup copy rather than separately pulling data from the source. The archive option will provide administrators with the ability to reduce redundant data from the Exchange server source to free up storage space. Users can easily retrieve individual archived emails using the Backup Exec Retrieve Google-like web UI and administrators can retrieve archived data through the Backup Exec console. Overall administrators will be able to easily index data and set retention periods to efficiently manage data lifecycles.

- Supports Exchange 2003, 2007
- Licensed per 10/100 user packs
- Requires an Exchange Agent for each Exchange Server

### **NEW Backup Exec File System Archive Option**

Provides unified backup and archiving for File Systems by uniquely archiving data from the backup copy rather than separately pulling data from the source. The archive option will provide administrators with the ability to reduce redundant data from the File server source to free up storage space. Users can easily retrieve individual archived documents and files using the Backup Exec Retrieve Google-like web UI and administrators can retrieve archived data through the Backup Exec console. Overall administrators will be able to easily index data and set retention periods to efficiently manage data lifecycles.

- Supports Windows 2000, Windows 2003, Windows 2008 and Windows 2008 R2
- Licensed per protected/archived server

- Requires an Agent for Windows Systems for each archived server

### **Backup Exec 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.

### **Backup Exec Central Admin Server Option<sup>1</sup>**

Simplifies management by providing concise information and centralized management of multiple Backup Exec media servers across the network. A robust and scalable solution, which 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.

### **ENHANCED Backup Exec 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. Backup Exec 2010 includes support for Windows 7, Windows Vista, 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.

#### **Backup Exec 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.

#### **Backup Exec 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.

#### **Backup Exec NDMP Option**

The Symantec Backup Exec 2010 NDMP Option supports the backup and restore of NDMP NetApp (Data ONTAP 7.0 or later) EMC Celerra (with DART 5.5 or later) and IBM N-Series storage configurations with tape devices attached and new protection for NDMP devices residing in remote locations including in a Storage Area Network (SAN) configuration for added flexibility. Backup Exec 2010 NDMP option also provides automated NDMP filer data duplication to tape, reducing backup management. Overall support for NDMP devices greatly expands the number of disk targets that can be selected for disk-based data protection.

#### **Backup Exec 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.

#### **Backup Exec SAN Shared Storage Option<sup>1</sup>**

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 Virtual Tape Library Unlimited Drive Option**

Backup Exec introduces a new VTL Unlimited Drive Option which provides simple, cost efficient pricing for VTL devices by providing unlimited Library Expansion Options per VTL device.

The new VTL option allows administrators to integrate a VTL storage environment as a unique device that shows only tape functions that are valid for VTLs (i.e. no retention). VTL media can also be modified to erase data that has reached its expiration data to reclaim storage space for more crucial data.

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### **Add-ons**

#### **Backup Exec Infrastructure Manager<sup>2</sup> (powered by Symantec Management Platform)**

Backup Exec 12.5 Infrastructure Manager provides added management functionality to complement and expand on the existing functionality in Backup Exec Central Admin Server Option (CASO). The new Infrastructure manager is powered by Altiris technology so it can easily integrate into an existing Altiris environment or it can also be used independently with no prior knowledge of Altiris technology. The Infrastructure manager provides new powerful management advantages for Backup Exec 12.5 environments including:

- Inventory - inventory an entire Backup Exec environment including current and older versions of Backup Exec

through an easy to view graphical representation of the Backup Exec environment.

- Discover: Easily discover, locate, and manage new or unprotected server resources in a Backup Exec environment followed with recommendations of the Agents\Options not currently licensed that may be applicable to a newly discovered and unprotected resource.
- Software Package Management - Quickly define and deploy the current patch levels to Backup Exec and Backup Exec System Recovery servers, applications and databases across an environment
- Upgrade and Deploy: Easily configure and manage the upgrade process from Backup Exec v9.1 up to v12.5 plus deploy and configure Backup Exec installation packages with the ability to set pre-made jobs

2. Support for Backup Exec 2010 will be available mid 2010. Please note: Not recommended in a Backup Exec for Windows Small Business environment



## Overview: Data Protection Symantec Backup Exec™ 2010 Agents and Options

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*About Symantec*

Symantec is a global leader in providing security, storage and systems management solutions to help consumers and organizations secure and manage their information-driven world. Our software and services protect against more risks at more points, more completely and efficiently, enabling confidence wherever information is used or stored.

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