

# Symantec Backup Exec™ 3600 Appliance

Power up, configure, and go

## Data Sheet: Data Protection



### Overview

Symantec Backup Exec™ 3600 Appliance is the only solution that provides Symantec Backup Exec™ software on optimized hardware integrated into an affordable appliance from the industry leader in backup—Symantec. Equipped with integrated data deduplication, granular recovery, and virtual machine protection, the Backup Exec 3600 Appliance manages data growth and effectively reduces rising storage costs while enabling faster backups. Unlike other solutions, the Backup Exec 3600 Appliance reduces downtime with patented V-Ray technology that restores entire servers, critical Microsoft® applications and VMware® or Microsoft Hyper-V® virtual guests in minutes.

### Key features

- Reduces backup complexity and simplifies data protection with an all-in-one backup and recovery solution that integrates software and hardware from a single vendor.
- Reduces backup windows and achieves faster restore and recovery times using disk storage.
- Dramatically minimizes downtime and data loss by rapidly recovering what you need, when you need it.
- Includes a wide variety of pre-licensed Backup Exec Agents and Options, enabling protection of applications on physical or virtual servers, including Microsoft® Exchange, SQL Server, SharePoint®, Active Directory®, as well as Lotus Notes, Oracle®, and virtual instances on VMware, Hyper-V, and more.

- Equipped with Symantec™ Critical System Protection to protect against zero day threats while establishing compliance with security policies, and hardens your system by locking down the configuration and settings.
- Replicates backup data to another Backup Exec 3600 Appliance or managed Backup Exec Media Server in any location when using the Enterprise Server Central Admin Server Option (included with the Backup Exec 3600 Total Protection Suite, or sold separately).
- Manages data growth and effectively reduces data backup storage by up to 90 percent, while optimizing network utilization through integrated built in high speed block level data deduplication across physical<sup>1</sup> and virtual<sup>2</sup> environments.
- Easy to deploy, configure, and manage through a single console.
- Protects and integrates with all key VMware and Hyper-V technologies, including VMware vStorage™, APIs for Data Protection, and Volume Shadow Copy Service.
- Offers Microsoft certified backup and recovery for the latest Windows® environments, including Windows® 2008 R2, Microsoft® Exchange 2010 SP1, Windows® 7, and Hyper-V.

### Key Benefits

#### Simplify backup with an all-in-one comprehensive backup appliance

The Backup Exec 3600 Appliance offers the most comprehensive backup and recovery solution for your environment, reducing the complexity of protecting your company's most valuable asset—its data. Whether that data resides on a Windows file server, VMware or Hyper-V virtual server, or on a critical application server like

1. Principled Technologies Test Report, "Backup Advantages of the Dell PowerVault DL Backup to Disk Appliance powered by Symantec Backup Exec 2010 R3" (June 2011) [http://principledtechnologies.com/clients/reports/Symantec/Virt\\_BackupExec2010R3\\_0711.pdf](http://principledtechnologies.com/clients/reports/Symantec/Virt_BackupExec2010R3_0711.pdf)

2. Principled Technologies Test Report, "Virtualized Backup Advantages of the Dell PowerVault DL Backup to Disk Appliance powered by Symantec Backup Exec 2010 R3" (June 2011) [http://principledtechnologies.com/clients/reports/Symantec/Virt\\_BackupExec2010R3\\_0711.pdf](http://principledtechnologies.com/clients/reports/Symantec/Virt_BackupExec2010R3_0711.pdf)

Microsoft Exchange, SQL, or SharePoint, Backup Exec 3600 Appliance provides full protection and recovery for both data and entire systems. More than just a backup target device, Backup Exec 3600 Appliance integrates pre-licensed Backup Exec software with optimized hardware, simplifying backup and reducing backup costs.

### **Reduce backup windows and storage by up to 90% with seamless built-in data deduplication**

The Backup Exec 3600 Appliance provides end to end integrated source and target high speed block level data deduplication in a single, integrated solution. Eliminating redundant backup data, the Backup Exec 3600 Appliance only sends the changed blocks to storage reducing the amount of backup data stored by up to 90 percent. At the same time network bandwidth is significantly improved while enabling faster backups and reduced management costs.

Unlike other solutions used to reduce backup storage hardware costs, Backup Exec 3600 Appliance deduplicates data across all backup jobs, so you realize greater storage efficiencies by storing just one copy of a data block, regardless of the number of times it occurs or where it is stored. In addition, the Backup Exec 3600 Appliance provides advanced data deduplication for VMware, known as variable length segmenting, resulting in a smaller storage footprint for backup data and overall efficiency.

Overall, the Backup Exec 3600 Appliance manages data growth and effectively reduces rising storage costs.

### **Built in replication with optimized data deduplication**

The Backup Exec 3600 appliance includes replication capabilities using optimized duplication, which enables deduplicated data to be copied directly from one Backup Exec Appliance to a second appliance or to a managed Backup Exec Media server. Because the data is deduplicated, only unique data is copied between the devices, and this optimized duplication occurs automatically using a duplicate backup job between appropriate devices. Also, you can restore data from either the original or the replicated copy since separate catalogs are maintained for each copy, and full granular

recovery of replicated-optimized duplication can be performed on backup sets that were enabled for Granular Recovery Technology.

### **Fast and powerful backup and recovery**

The Backup Exec 3600 Appliance powered by V-Ray technology provides modern data protection for both virtual and physical environments with a single, easy-to-use solution. Through a single-pass backup, quickly restore an entire server, virtual machine, application, or database in minutes. From that same single-pass backup, you can also recover individual files, folders and granular objects, such as individual mailboxes and emails, eliminating redundant backups.

Integrated simplified disaster recovery provides the power to recover an entire server to bare metal or dissimilar hardware and convert backups to virtual machines for instant recovery so that if a server fails, you can get that server backup and running in a VMware or Hyper-V environment in the time it takes you to turn on a virtual machine.

Patented V-Ray technology embedded into Backup Exec gives you visibility into virtual file systems and applications and allows for transparent backup and recovery across physical and virtual silos. Without V-Ray protecting and recovering your physical and virtual environment, recovery can be complex and time consuming. With V-Ray, it's simple and fast, all while saving you time and resources. The Backup Exec 3600 Appliance provides the flexibility you need to meet your recovery time objectives for each and every recovery.

### **Tape support**

Get the full advantage of fast backup and rapid recovery from disk, then leverage the built-in SAS card for tape-based off-site storage and disaster recovery from a single management console.

### **Critical System Protection**

Only the Backup Exec 3600 Appliance is equipped with Critical System Protection. Using non-signature based Host Intrusion Prevention, Critical System Protection proactively

protects the Backup Exec 3600 Appliance against zero day attacks and malicious insider threats. It also ensures the Appliance is safe and secure using Symantec's Host Intrusion Detection system for monitoring, notification, and auditing. It provides behavioural and vulnerability-based detection with advanced antivirus, host based firewall with application controls, and device control to proactively safeguard the Backup Exec 3600 Appliance protection and recovery environment.

### Proven, reliable, and easy-to-use

The Backup Exec 3600 Appliance is the only solution available combining Backup Exec with optimized hardware and a single point of contact for Symantec technical support. Pre-installed with all necessary hardware and software components, the Backup Exec 3600 Appliance can be set up and configured within minutes. Additionally, day-to-day monitoring of backup operations requires minimal administrator intervention, allowing for lower setup and operational costs.

### Centralized management and reporting

Easily manage one or centrally manage multiple Backup Exec 3600 Appliances from any location, whether at the data center, head office, or a remote location through a single console. And through the same single management console, you can also manage your existing Backup Exec infrastructure for maximum efficiency.

Whether your managing a single or multiple Backup Exec 3600 Appliances, a single Backup Exec media server or hundreds of Backup Exec media servers or a combination of both, the Backup Exec 3600 Appliance delivers an easy-to-use, intuitive and modern user interface that makes it easier than ever to set up backups, perform recoveries and convert backups of servers to virtual machines for instant disaster recovery.

Powerful reporting capabilities including storage capacity, unprotected systems, recovery verification and backup status reduce the time and resources needed to manage backups and recoveries while improving overall backup performance.

### Backup Exec Agents and Options

The Backup Exec 3600 Appliances (both the Total Protection Edition and Essential Edition) include a wide variety of pre-licensed Backup Exec Agents and Options, including data deduplication and virtual machine protection, at no additional charge. The table below details the included agents and options as well as optional agents and options that can be purchased separately to customize and expand the capabilities of the Backup Exec 3600 Appliance.

Essential Protection Edition	Total Protection Edition
<p><b>Included</b></p> <ul style="list-style-type: none"> <li>• Symantec Backup Exec™ 2012</li> <li>• Symantec Critical System Protection</li> <li>• Deduplication Option</li> <li>• Agent for VMware® and Microsoft Hyper-V®</li> <li>• Agent for Windows® Systems</li> <li>• Agent for Applications and Databases</li> <li>• Remote Agent for Linux® Systems</li> <li>• Remote Agent for Mac® Systems</li> </ul> <p><b>Optional</b></p> <ul style="list-style-type: none"> <li>• Enterprise Server Option (includes Central Admin Server Option)</li> <li>• Remote Media Agent for Linux®</li> <li>• NDMP Option</li> <li>• Library Expansion Option</li> <li>• Virtual Tape Library Unlimited Drive Option</li> </ul>	<p><b>Included</b></p> <ul style="list-style-type: none"> <li>• Symantec Backup Exec™ 2012</li> <li>• Symantec Critical System Protection</li> <li>• Deduplication Option</li> <li>• Agent for VMware® and Microsoft Hyper-V®</li> <li>• Agent for Windows® Systems</li> <li>• Agent for Applications and Databases</li> <li>• Remote Agent for Linux® Systems</li> <li>• Remote Agent for Mac® Systems</li> <li>• Enterprise Server Option (includes Central Admin Server Option)</li> <li>• Remote Media Agent for Linux®</li> <li>• NDMP Option</li> <li>• Library Expansion Option (support for 10 drives included)</li> </ul> <p><b>Optional</b></p> <ul style="list-style-type: none"> <li>• Virtual Tape Library Unlimited Drive Option</li> </ul>

### Technical Support Services and Warranty

No matter the size of your company, a service interruption can cause disruption and significant loss to your business. Fortunately, Symantec's technical support team is here to help. As one of the finest support organizations in the industry, Symantec technical support provides 24 hours a day, seven days a week expert problem resolution. With Symantec's essential one or three year support package you can be assured that you're in safe hands by putting Symantec's technical expertise to work. In addition, the Backup Exec 3600 Appliance comes with a one or three year advance replacement hardware warranty as standard.

## Technical Specifications

Component type	Specification
Operating system	Windows® Storage Server 2008 R2 x64
Security	OS hardened at factory with Critical System Protection
Motherboard/ chassis	<ul style="list-style-type: none"> <li>Intel® S3420GPRX</li> <li>1U chassis: SR1695 (Full Depth)</li> </ul>
Processor	Single Intel® Xeon X3430, Quad Core, Intel® 3420 chipset
Memory	16GB installed
Expansion	One (1) PCI-E 2.0 x 16 (x8 Throughput) connector
IO devices	<ul style="list-style-type: none"> <li>5x Gigabit Ethernet ports (3 production, 1 admin, 1 RMM)</li> <li>1x Serial port</li> <li>4x USB 2.0 ports</li> <li>6x SATA ports</li> <li>Integrated RAID module with LSI 1078 3Gbps SAS Controller</li> </ul>
Drive bays	<ul style="list-style-type: none"> <li>4x hot-swappable 3.5" SAS HDDs</li> <li>2x 2.5" SSD drives for OS/Application</li> </ul>
Storage capacity	<ul style="list-style-type: none"> <li>2 X 80GB 2.5" SSD Disks for OS (RAID 1)</li> <li>4 X 2TB hot-swappable 3.5" HDD (RAID 5) - 5.5 TB usable capacity</li> <li>SAS card for tape out</li> </ul>
Power supply	Two redundant 400W AC power supplies
System cooling	Two blower fans and one rotating fan

For a complete list of system requirements, platform, and application support, please visit: [www.backupexec.com/3600compatibility](http://www.backupexec.com/3600compatibility)

## More Information

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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.

Headquartered in Mountain View, Calif., Symantec has operations in 40 countries. More information is available at [www.symantec.com](http://www.symantec.com).

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