

# 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 helps you reduce downtime and storage costs, while improving backup performance.

Unlike other solutions, the Backup Exec 3600 Appliance delivers patented technology that recovers critical Microsoft® applications and VMware® or Microsoft Hyper-V® virtual environments in seconds, so you can stay focused on managing your systems.

### Key features

- Reduces complexity and simplifies data protection with an all-in-one backup and recovery solution that integrates software and hardware from a single vendor.
- Dramatically minimizes downtime and data loss by rapidly recovering what you need, when you need it through patented Granular Recovery Technology.
- Includes a wide variety of pre-licensed Backup Exec Agents and Options.
- Equipped with Symantec™ Critical System Protection.
- Replicates backup data to another Backup Exec 3600 Appliance or managed Backup Exec Media Server in any location.

- Reduces the amount of storage by up to 90 percent (10:1), while optimizing network utilization through integrated 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™, API's 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

#### All-in-one comprehensive backup and recovery 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 Microsoft® Exchange, SQL®, or SharePoint®, Backup Exec 3600 Appliance provides full protection and recovery for both data and 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.

#### Flexible backup options

The Backup Exec 3600 Appliance offers full, differential, and incremental backup options across physical and virtual environments with support for a broad range of operating

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)

systems and platforms, plus deep application and database support for faster backup and restorations.

### **Fast and powerful recovery**

The Backup Exec 3600 Appliance powered by V-Ray Technology provides advanced 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. From that same single-pass backup, you can also recover individual files or folders down to granular objects, such as individual mailboxes and emails in seconds.

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.

### **Seamless built-in data deduplication**

The Backup Exec 3600 Appliance provides both client and target data deduplication in a single, integrated solution. Eliminating redundant backup data, the Backup Exec 3600 Appliance reduces the amount of backup data stored by up to 90 percent while saving management costs and improving network bandwidth. 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, 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.

### **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. Recently put to the test at the Black Hat® Technical Security Conference, a server protected with Critical System Protection proved impermeable. Learn more at: <https://www-secure.symantec.com/connect/blogs/unhacked-black-hat-symantec-critical-system-protection>

### **Centralized management and reporting**

Centrally manage the Backup Exec 3600 Appliance from any location, whether at the data center, head office, or a remote location through a single console. The Backup Exec 3600 Appliance delivers an easy-to-use, intuitive interface and calendar view to quickly track, monitor, and manage backup and recovery jobs.

The Backup Exec 3600 Appliance also identifies potential problems that cause job failures and in turn notifies the administrator so that corrective action can be taken. All of these tools reduce the time and resources needed to manage the Backup Exec 3600 Appliance, while improving overall backup performance.

### **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.

## Backup Exec Agents and Options

The Backup Exec 3600 Appliance includes 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.

Included Licenses	Optional Licenses
<ul style="list-style-type: none"> <li>• Symantec Backup Exec™</li> <li>• Deduplication Option</li> <li>• Agent for VMware® Virtual Infrastructures</li> <li>• Agent for Microsoft Hyper-V®</li> <li>• Agent for Windows® Systems</li> <li>• Agent for Microsoft Active Directory®</li> <li>• Agent for Microsoft® Exchange</li> <li>• Agent for Microsoft SharePoint®</li> <li>• Agent for Microsoft SQL®</li> <li>• Agent for Oracle®</li> <li>• Agent for IBM® Domino®</li> <li>• Remote Agent for Linux® Systems</li> <li>• Remote Agent for Mac® Systems</li> </ul>	<ul style="list-style-type: none"> <li>• Desktop and Laptop Option</li> <li>• Central Admin Server Option</li> <li>• NDMP Option</li> <li>• Advanced Disk-Based Option</li> <li>• Agent for Symantec Enterprise Vault™</li> <li>• Agent for SAP® Applications</li> <li>• Agent for IBM® DB2®</li> <li>• Remote Media Agent for Linux®</li> <li>• Remote Agent for Novell® NetWare®</li> <li>• Spare Backup Exec 3600 Appliance Power Supply</li> <li>• Spare Backup Exec 3600 Appliance Disk</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.

## 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 (1 production, 1 admin, 1 RMM, 2 blocked)</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 40GB 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> </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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