

# Symantec Backup Exec™ 2012 Small Business Edition

## Who should read this paper

Organizations with up to 3 physical (on Windows®, Linux® or Mac® O/S) or 3 virtual servers (or a combination of physical and virtual) or those running Microsoft® Small Business Server.

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**Content**

|   |          |
|---|----------|
| <b>The Backup Exec Product Family</b> .....                             | <b>1</b> |
| <b>Backup Exec 2012 Small Business Edition</b> .....                    | <b>1</b> |
| <b>New Backup Exec 2012 Small Business Edition User Interface</b> ..... | <b>2</b> |
| <b>Simplified Disaster Recovery</b> .....                               | <b>3</b> |
| <b>Microsoft Application Support</b> .....                              | <b>4</b> |
| <b>Backup to Virtual (B2V) and Convert to Virtual (P2V)</b> .....       | <b>4</b> |
| <b>Summary</b> .....  | <b>5</b> |
| <b>For More Information</b> .....                                       | <b>6</b> |

## The Backup Exec Product Family

The Symantec Backup Exec product family offers market-leading backup and disaster recovery solutions for critical customer IT resources. This includes Backup Exec 2012, Backup Exec System Recovery 2011, the Backup Exec 3600 Appliance, a virtual only V-Ray Edition, Capacity licensing, BE.Cloud and Backup Exec Small Business Edition.

### Backup Exec 2012

Symantec Backup Exec 2012 has dramatically re-engineered its range of offerings and user interface to deliver even more comprehensive and reliable backup and recovery for any IT environment. The new, modern range of Backup Exec solutions are designed to adapt for any business. Organizations can easily protect increasing amounts of data, in either virtual or physical, environments with integrated VMware and Hyper-V protection, while reducing storage and management costs through integrated deduplication and archiving technology; reduce customer business downtime through integrated bare metal and dissimilar hardware recovery features and backup to virtual (B2V) and convert to virtual (P2V) capabilities, and ensure critical information on virtual or physical systems is always protected and can be restored in seconds.

### Key Features

- Market-leading data and application protection for physical and virtual server environments
- A redesigned administration console eliminate complexity and reduce time managing backups
- Support for the latest virtual platforms, such as Hyper-V 2008 R2 and vSphere 5.0
- First-to-market granular recovery for virtual applications from a single-pass backup
- Block-level data deduplication reduces storage costs associated with backup processes
- Integrated bare metal and dissimilar hardware recovery make disaster recovery painless
- B2V and P2V features leverage virtual technology for migration and virtual fail over
- Backup Exec 3600 Appliance offers the reliability of Backup Exec software on optimized hardware

These powerful capabilities in Backup Exec 2012 allow businesses to protect more customer data while reducing storage and management costs, optimize network utilization across physical and virtual environments, automate storage management savings with efficient archiving and backup, and enable all types of recovery for both virtual and physical resources, all through a single product and console.

## Backup Exec 2012 Small Business Edition

Backup Exec 2012 Small Business Edition (BE 2012 SBE) offers an all-in-one package for small businesses. Microsoft has recently reviewed and changed its licensing for the Microsoft Small Business Server, operating system and application software, due to more customers wanting to take advantage of server virtualization technologies. In order to simplify the whole licensing process and come in line with the Microsoft licensing change, as well as allowing the product to support other O/S, Symantec has replaced all Backup Exec Small Business Server Editions with the new Backup Exec 2012 Small Business Edition (BE 2012 SBE) which offers even more versatility.

No matter what Microsoft operating system you are running, this new BE 2012 SBE edition supports up to three servers (whether physical or virtual). So, if you are running Microsoft on three separate physical you will need the core BE SBE product and two agents for the additional

### Key Benefits

- Utilizing the market-leading Backup Exec family of products means users can have high confidence in their backup and recovery services
- Protects up to three servers whether in a physical or virtual environment or combination of both
- Can manage multiple instances of Backup Exec Small Business Edition
- Fully upgradeable to Backup Exec as your needs evolve – expand as you grow
- Supports Microsoft, Linux and Mac O/S, Microsoft Applications, SQL®, Exchange®, SharePoint®, Active Directory®, and Hyper-V
- New integrated disaster recovery technologies enable offsite disaster recovery protection and Bare Metal Recovery to dissimilar hardware
- Virtual, B2V, P2V (Hyper-V only) Conversions Disk (B2D)/Local Tape
- Uses the new modern Backup Exec interface providing a simple, easy to use solution for Small Businesses

servers; if you are running one physical host and three virtual servers you need just one copy of BE 2012 SBE. You can also support both Linux and Mac operating systems with an additional agent, making the new BE 2012 SBE a true solution for all small businesses.

A single license of Backup Exec 2012 Small Business Edition provides total backup and recovery protection for one server including application protection for SQL, Exchange, Hyper-V, SharePoint and Active Directory. Each license can be easily expanded to support up to 3 servers (2 remote servers) by purchasing an additional Agent for Windows for Small Business Edition, Agent for Linux or Agent for Mac, depending on your Server O/S requirements.

Using the new Backup Exec interface, BE 2012 SBE comes with everything you could possibly need: included with the Backup Exec Media Server is Microsoft Application support, Bare Metal Recovery with Simplified Disaster Recovery technology, B2V, P2V support for Hyper-V, as well as being upgradeable to the full versions of Backup Exec 2012.

A large number of Backup Exec customers are protecting a single server. Backup Exec 2012 Small Business Edition is designed to accommodate those small business customers and includes the most commonly deployed Microsoft application agents (Exchange, SQL, SharePoint and Active Directory) making it the ideal solution for Backup Exec customers that are currently licensed for Backup Exec Small Business Server. BE 2012 SBE focuses on both the Microsoft Small Business Server (MS SBS) and small businesses running up to three servers on any O/S version of Microsoft (Msft O/S or SBS).



**Figure 1: Backup Exec Small Business Edition Design**

BE 2012 SBE is quick to setup and easy to use. It offers complete support for Microsoft applications, simplified data management and robust disaster recovery. The same new revolutionary user experience of the core version of BE 2012 is the basis for BE 2012 SBE and includes the new user interface together with enhancements to the backup data management lifecycle.

BE 2012 SBE also delivers the same Simplified Disaster Recovery as that of Backup Exec 2012 giving customers a robust dissimilar hardware disaster recovery solution that can be executed quickly and successfully to get their systems up and running.

### **New Backup Exec 2012 Small Business Edition User Interface**

The new user interface has been designed with simplicity in mind. It conveys the information required more simply and concisely by providing users with just the things they need with reduced and consolidated options and choices. The aim was to create a user experience that is more intuitive so that anyone should be able to be productive within a short time.

The management of the data protection requirements has been changed to focus on the resources to be protected and the elimination of backup policies and complexity. Protecting systems by simply adding stages and showing relevant options will enable almost anyone to setup Backup Exec 2012 Small Business Edition.



**Figure 2: New Backup Exec Small Business Edition User Interface**

## Simplified Disaster Recovery

To help businesses prepare for and overcome the problem of server failure and downtime, Symantec has introduced Backup Exec 2012 with integrated bare metal recovery and dissimilar hardware recovery – also known as hardware discovery - capabilities. These new features make full server recovery easy, and offer it as a built-in element of Backup Exec 2012 data and application protection practices.

Now, using Backup Exec 2012, a single protection policy for servers can protect it against all types of disaster or failure, and enable all of the following types of recovery:

- Server Recovery
- Bare metal recovery
- Dissimilar hardware recovery
- Application Recovery (agent for Microsoft Applications and Databases included)
- Granular Application Recovery (agent for Microsoft Applications and Databases included)
- Granular File and Folder Recovery
- Granular object recovery
- Full Virtual Machine Recovery (Hyper-V only)

The core technology that enables the bare metal and dissimilar hardware restore capabilities within Backup Exec 2012 is called Simplified Disaster Recovery. This technology ensures that key system-level elements of a server are captured and stored as part of a backup operation. When a bare metal or dissimilar hardware restore operation is performed, this system-level information is used to rebuild the failed server and restore it to a functional state. Some of these critical system components include: System volume, Boot volume, Services volumes, and System state components.

In Backup Exec 2012, the Simplified Disaster Recovery feature is enabled by default for every new backup policy that is created. It is represented within the Backup Exec 2012 user interface as a part of the backup selections screen through a ribbon titled "Simplified Disaster Recovery"

Rapid Recovery for what you need when you need it:

- Makes applications, files, and server recovery easy
- Avoid costly downtime with fast, easy recovery
- Microsoft Applications and Hyper-V restore

### **Microsoft Application Support**

Included in BE 2012 SBE is support for Microsoft Applications: Exchange Server, SQL Server, SharePoint and Active Directory. Powerful Granular Recovery Technology enables users to restore individual messages from Exchange, individual documents from SharePoint, quick restores of SQL Server as well as individual Active Directory user accounts, organizational units, even individuals from a single pass backup. Fast and flexible technology reduces the backup and recovery time as well as storage needed on disk or tape media while protecting vital Microsoft Applications.

BE 2012 SBE 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 BE 2012 SBE can leverage the innovative Granular Recovery Technology (GRT) which helps IT Administrators save time and money by giving them the ability to restore critical data while applications remain online.

### **Backup to Virtual (B2V) and Convert to Virtual (P2V)**

Modern businesses are based upon servers – powerful computing systems that host and manage business-critical applications and data. Servers are the lifeblood of business today, without which businesses could not function at a very basic level in our modern industry. Some examples of critical applications found on these servers are Exchange, SQL, SharePoint and Active Directory. Because servers host business-critical applications and priceless customer and corporate data assets, managing and protecting servers is the primary concern of IT professionals across the globe.

Backup Exec 2012 continues to invest in virtualization technology and to further enhance our virtualization offering two new key features are included in Backup Exec 2012 SBE product designed to help administrators solve the problem of moving physical servers to a virtual environment and also give administrators unique tools for leveraging virtualization technology for disaster recovery. These features have the ability to perform:

- Automated conversions of physical servers to a virtual machine replica (P2V)
- Automated conversions of physical servers – using existing backup sets – to a full functioning virtual machine replica (B2V)
- "Ad hoc" or on demand conversions of physical server backups to a full functioning virtual machine replica.

Convert from physical to Virtual (P2V) - The new Backup Exec 2012 P2V feature allows administrators to configure protection policies for physical servers that protect the server by:

1. Storing backup data to the Backup Exec server
2. Creating a virtual machine replica of the server on an available VMware or Hyper-V host

For protection policies configured with a P2V task, the backup operation and the virtual machine replica operation occur in parallel, or at the same time.

Backup to Virtual (B2V) - A Backup Exec 2012 protection policy configured with a B2V task is similar to a protection policy configured with a P2V task. However, B2V policies run the backup and virtual machine replica operations serially, meaning the backup operation runs first, and the virtual replica portion runs immediately afterwards or on a different schedule.



Figure 3: Convert Physical to Virtual and Figure 4: Backup to Virtual

Both P2V and B2V functionality provide you with the flexibility to convert your physical machines to virtual machines quickly and easily anytime and from any location.

## Summary

Backup Exec 2012 Small Business Edition combines award winning and patented features of Backup Exec for a robust solution built specifically for small businesses. Replacing Backup Exec 2010 for Microsoft Small Business Server, Backup Exec 2012 Small Business Edition protects up to three servers, physical or virtual while fully supporting Microsoft Applications running on either Microsoft Small Business Server or Microsoft Server platforms (including Hyper-V).

Inclusive of Bare Metal Restore capabilities as well as B2V and P2V support for Hyper-V only, the Backup Exec Small Business Edition provides a backup and disaster discovery in a single easy to use solution eliminating unnecessary cost and complexity from your IT infrastructure. Utilizing the new Backup Exec interface, Backup Exec 2012 Small Business Edition is simple to use. The market-proven capabilities of Backup Exec provide a robust solution you can depend upon to protect your critical data – today and in the future.



**For More Information**

| <b>Link</b>  | <b>Description</b>  |
|--|---|
| <a href="http://www.backupexec.com">www.backupexec.com</a>                             | Backup Exec Website   |
| <a href="http://www.backupexec.com/beguide">www.backupexec.com/beguide</a>             | Backup Exec Agent and Option Guide                            |
| <a href="http://www.backupexec.com/new">www.backupexec.com/new</a>                     | What's New in Backup Exec 2012                                |
| <a href="http://www.backupexec.com/wpapers">www.backupexec.com/wpapers</a>             | Backup Exec 2012 White Papers                                 |
| <a href="https://partnernet.symantec.com/">https://partnernet.symantec.com/</a>        | PartnerNet  |
| <a href="http://www.backupexec.com/collateral">www.backupexec.com/collateral</a>       | Backup Exec Datasheets, Solution Briefs and FAQs              |
| <a href="http://www.backupexec.com/compatibility">www.backupexec.com/compatibility</a> | Backup Exec Software and Hardware Compatibility Documentation |
| <a href="http://www.symantecsystemrecovery.com">www.symantecsystemrecovery.com</a>     | Symantec System Recovery Website                              |



## 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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Symantec helps organizations secure and manage their information-driven world with [data backup and recovery software](#).

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