

# Backup Exec™ 16



Powerful, flexible, and trusted data protection designed for virtual, physical and cloud environments

## Overview

Backup Exec™ 16 delivers powerful, flexible, and trusted data protection designed for your entire infrastructure regardless of platform: virtual, physical or cloud. With Backup Exec, you get fast, reliable protection of data and systems at every level, as well as advanced integration with the most recent releases of Microsoft® Server, Microsoft® Hyper-V and VMware® vSphere®. In a matter of minutes, you can recover anything including VMs, servers, databases, files, and granular application objects. Protect one to thousands of virtual machines from a single user console, optimizing performance and efficiency. Backup Exec saves time, money and helps ensure your critical information is always protected and easily recoverable.

## Powerful

When you can solve more problems with less complexity, you have a simple yet powerful solution to improve administrative productivity. Backup Exec can help you meet business expectations for backup and recovery, reduce storage costs, secure confidential data, achieve regulatory requirements, and eliminate niche backup tools from your infrastructure.

- **Fast and reliable backup and recovery**—Backup Exec enables you to meet your organization's data protection expectations by reducing the time it takes to back up and recover critical information, apps and servers. With Backup Exec you can mitigate the risk and cost of downtime by using a wide variety of flexible backup and recovery methods. Whether you are using disk, tape, or cloud, your information can be easily and reliably recovered.
- **Advanced integration with VMware and Hyper-V**—Backup Exec offers full protection for your virtual environment and Software-Defined Data Center including new Software-Defined Storage features like VMware® Virtual SAN and Virtual Volumes. Recover what you need, when and where you need it. Easily create stand-by virtual copies of your physical systems for disaster recovery

in minutes, or for general P2V migrations. Backup Exec addresses VM sprawl by automatically identifying and protecting new VMs as they appear so you can be assured your VMs are protected from day one.

- **Save more, store less**—Flexible global de-duplication in Backup Exec helps you solve for growing data challenges, regardless of how much your data changes. It helps minimize backup windows, decrease network traffic, and reduce disk space required for storing backup data. Backup Exec de-duplicates across all virtual and physical backup jobs, reducing storage costs over other, individual job-based methods.

## Key Features and Benefits

- Single solution for virtual, physical and cloud environments simplifies backup and eliminates the cost and complexity of multiple point products.
- Fast virtual machine snapshots through deep integration with Microsoft® Volume Shadow Copy Service (VSS) and VMware vStorage™ APIs for Data Protection (VADP) minimizes CPU, memory, and I/O load performance impacts on the virtual host.
- Instant Recovery of VMware and Hyper-V virtual machines provides an immediately usable copy of the server and data for DR, compliance, testing and application deployment.
- Integrated global deduplication and change block tracking allows you to protect more data while minimizing disk space required for backup files.
- Veritas-certified compatibility with virtually any storage device including disk, tape and cloud means Backup Exec supports your organization's storage strategy, not the other way around.
- Integrated bare-metal, physical to virtual (P2V) and virtual to physical (V2P) recovery helps minimize downtime and disruption.



## Flexible

Not every backup solution has the flexibility to protect all of your organization's information – whether virtual, physical or cloud. Choose the data protection architecture that works for you, rather than letting the software dictate your setup. Back up anything to virtually any storage device, and restore nearly anywhere. From VMs, to entire servers, applications, single files and folders or granular application objects, Backup Exec is the single solution for all of your data protection needs.

- **Virtual and physical data protection in a single solution**—Lowering costs and simplifying backup tasks starts with deploying a single solution that is designed for your entire infrastructure regardless of platform: virtual, physical, or cloud. Deeply integrated with VMware, Microsoft and Linux platforms, Backup Exec can protect one to thousands of servers and virtual machines all from the same user console, providing optimal performance and efficiency. Scalability is an important consideration in backup and recovery, and Backup Exec supports you as your organization grows.
- **Hybrid architectures to disk, tape, and cloud**—Backup Exec provides the flexibility to protect VMware and Hyper-V environments using agents or agentless methods, in addition to Microsoft and Linux-based physical machines, whether local or remote. Flexible target options allow you to write to virtually any storage device including disk, tape, hosted storage, or directly to public cloud services such as Amazon S3, Google Cloud Storage and Microsoft Azure. Gateway devices such as Amazon Storage Gateway or Microsoft StorSimple permit rapid migration to economical cloud storage.
- **Fast, efficient, and versatile recovery**—Backup Exec recovers data rapidly at any level of granularity, “from anywhere, to anywhere” with a single pass backup. In a few simple clicks, you can recover data from virtual machines and physical servers, including entire applications, individual objects, files, folders, and granular application items from Microsoft® Exchange, Active Directory®, SQL Server®, and SharePoint®. Backup Exec intelligently indexes and catalogs backup data so you don't waste valuable time and disk space mounting backup jobs, determining what's inside, and searching for specific data. Backup Exec efficiently restores data directly from the backup, which simplifies and speeds up recovery when you need it most. Backup Exec also provides built-in disaster recovery (DR) for physical and virtual systems to help minimize downtime, mitigate risk

and eliminate business disruption. In the event of a disaster, Backup Exec can recover an entire server from a bare metal state to the same or dissimilar hardware in minutes, not hours or days. It can also convert your physical servers or their backups into virtual machines. Protected virtual machines can be rapidly spun up from the backup set for immediate use.

## Trusted

Complex backup and recovery products can be inefficient, time consuming, and expensive to manage. Through intuitive wizards and insightful dashboards, Backup Exec is easy to implement, use and manage, whether you are upgrading from a previous version or switching from a competitive product.

- **Easy to manage**—Quickly track and monitor every backup and recovery job through an easy-to-use interface with intuitive dashboards and wizards. In a few simple clicks, you can set backup jobs, view backup status, and perform quick recoveries. Rather than using complex policies, save time and simplify the implementation of backup protection with a visual workflow that lets you replicate data on-premise, off-site or to the cloud. In addition, the centralized administration console in Backup Exec delivers scalable management of distributed sites and helps reduce the time and resources needed to manage your backup operations.
- **Superior visibility**—Backup Exec gives you visibility into your entire backup and recovery infrastructure so that you can take action when needed. Easily perform a granular search of backed up data including mailbox data by subject, Microsoft SQL databases by name, or SharePoint data by document name. Configure Backup Exec to intelligently browse your environment and discover servers, VMs and other data at risk.
- **Flexible licensing**—Backup Exec 16 is a cost-effective solution that's easy to acquire, license, and deploy. Flexible licensing options for on-premise software include per TB, per socket or per module (agents and options). With Backup Exec you benefit from the ability to choose the right licensing model for your environment—all at affordable prices.

## Support Services

No matter the size of your organization, a service interruption can result in significant losses. Fortunately, the Veritas technical support team is here to help. Veritas Essential Technical Support is included with your Backup Exec purchase and provides 24 x 7 expert problem resolution. In addition, while your support contract is active, you can upgrade your appropriate Backup Exec licenses to newer versions as they become available — at no additional cost.

### System Requirements

For a complete list of system requirements and supported devices, please refer to the Backup Exec 16 hardware and software compatibility list: [backupexec.com/compatibility](http://backupexec.com/compatibility).

## Available Editions, Agents, and Options

### Backup Exec Editions

Backup Exec is available as on-premise software with three licensing options—per TB, per socket, per module.

- Backup Exec 16 Capacity Edition Lite (per front-end TB)
- Backup Exec 16 Capacity Edition (per front-end TB)
- Backup Exec 16 V-Ray Edition (per occupied socket)
- Backup Exec 16 (a la carte: per module, media server, agent or option)

### Backup Exec Agents and Options

Backup Exec provides scalable, easy-to-manage backup and recovery for virtual and physical environments. Backup Exec Agents and Options expand the features and functionality of Backup Exec to support critical applications, databases, storage configurations and much more.

- Backup Exec Capacity Edition Lite includes a Backup Exec Server, Agent for VMware and Hyper-V, Agent for Windows, Agent for Applications and Databases, and Agent for Linux
- Backup Exec Capacity Edition includes all Backup Exec Agents and Options
- Backup Exec V-Ray Edition includes Agent for Applications and Databases, Agent for VMware and Hyper-V and Deduplication Option (additional Agents and Options can be added and licensed as required)
- Backup Exec a la carte: Agents and Options are licensed individually

### Agents

- Agent for Applications and Databases
- Agent for VMware and Hyper-V
- Agent for Windows®
- Agent for Linux
- Remote Media Agent for Linux

### Options

- Agent for Applications and Databases
- Deduplication Option
- Enterprise Server Option
- Library Expansion Option
- NDMP Option
- Virtual Tape Library Unlimited Drive Option

## Testimonials

“So how would ESG Lab rate Backup Exec in terms of virtual machine backup best practices? Our testing indicates that Backup Exec has hit every best practice in the center of the target Bullseye.”

— **Vinny Choinski**, Senior Lab Analyst  
and **Kerry Dolan**, Lab Analyst, ESG

“I’ve used other backup solutions in a virtualized environment with varying degrees of success. But for me, the ability to back up a virtual machine image as well as the files inside it—or restore an entire virtualized application or the granular data in it, whether it’s Exchange, SharePoint or SQL—that’s what makes Backup Exec far more compelling than its competitors.”

— **Paul Flatt**, Infrastructure & Support Manager  
Mitre 10 (NZ) Limited

“Our backups complete with near 100% reliability and restores are consistently successful with zero fuss. It just works.”

— **Brandon Mosak**, IT Director  
Task Force Tips Inc.

“Nothing else on the market comes close for performance and usability.”

— **Terry Green**, IT Manager  
AutoChair



## More Information

Visit our website

[www.backupexec.com](http://www.backupexec.com)

Follow us on Twitter

@BackupExec

Download a FREE 60-day trial

[www.backupexec.com/trybe](http://www.backupexec.com/trybe)

## About Veritas Technologies LLC

Veritas Technologies LLC enables organizations to harness the power of their information, with solutions designed to serve the world's largest and most complex heterogeneous environments. Veritas works with 86 percent of Fortune 500 companies today, improving data availability and revealing insights to drive competitive advantage.

## Veritas World Headquarters

500 East Middlefield Road  
Mountain View, CA 94043  
+1 (650) 933 1000  
[www.veritas.com](http://www.veritas.com)