Backup Exec

A fast, cost-effective, unified backup and recovery solution to protect data wherever it lives—virtual, physical and cloud.

VERITAS™

OVERVIEW

Veritas Backup Exec™ focuses on keeping data protection simple, secure and unified. You choose what to back up, where to store it and how to pay for it. Your data remains secure and available at every stage—whether backing up on-premises to the cloud, protecting workloads within the cloud, recovering from the cloud or just connecting to on-prem storage. (See Figure 1.)

Backup Exec is available for purchase in either perpetual or term subscription licensing, with the level of functionality you require—Bronze, Silver or Gold. Bronze edition offers basic coverage for simple environments. Silver edition offers the most-used features. Gold edition includes all features and functionality available in Backup Exec. Your purchase is based on the amount of front-end data or the number of instances you need to back up. Your chosen license-set is available in whatever quantities you require.
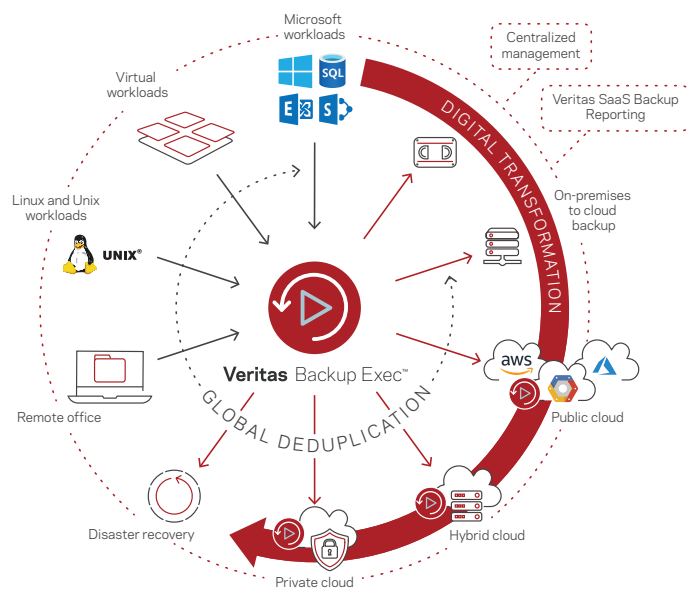

Figure 1. Backup Exec offers the true, unified, cost-effective data protection required for backups across cloud, virtual and physical deployments via a single console.

KEY FEATURES AND BENEFITS

- Unified solution for virtual, physical, public and hybrid cloud environments simplifies data protection and eliminates the cost and complexity of multiple point products.

- Support for Azure Files and Amazon FSx managed file systems.

- Support for all AWS storage tiers, including Amazon Glacier, Glacier Deep Archive, Amazon S3 IA One Zone and Intelligent Storage Tiering.

- Protection against ransomware attacks thanks to the Ransomware Resilience feature that protects backups hosted on a media server from being modified by unauthorized processes.

- Backup Exec Accelerator for VMware and Hyper-V drastically reduces backup windows and eliminates the need for full backups.

- Support for SQL environments utilizing SQL Always On technology.

- Fast virtual machine snapshots through Hyper-V Resilient Change Tracking and 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 environment.

- 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.

- Recovery Ready automates DR testing of virtual machine backups to ensure recoverability.

- SaaS Backup Reporting Integration provides an extra layer of visibility and protection to all your data, including your O365 workloads.

- GDPR Guard allows you to implement information erasure requests for enhanced compliance.

- Integrated bare-metal DR, physical to virtual (P2V) and virtual to physical (V2P) recovery help minimize downtime and disruption.

- Instant Cloud Recovery provides seamless failover to Microsoft® Azure in case of disaster.

- Superior security for your data through integrated 128-/256-bit AES industrial-strength encryption and compliance with Payment Card Industry Data Security Standard (PCIDSS) 3.1/3.2.

SIMPLE, YET POWERFUL

Take the complexity out of data protection without sacrificing functionality. Backup Exec can help you:

- Meet business expectations for backup and recovery.

- Protect your data against ransomware.

- Reduce storage costs.

- Secure data.

- Achieve regulatory requirements.

- Eliminate niche backup tools from your infrastructure.

> *"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.*

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, you can easily and reliably recover your information.

Integration with Azure Site Recovery

With Instant Cloud Recovery, Backup Exec integrates directly with Azure Site Recovery to ensure data and application availability with cloud-based disaster recovery. (See Figure 2.) This integrated disaster recovery as a service (DRaaS) solution can minimize recovery point objectives (RPOs) and recovery time objectives (RTOs) for business-critical sites and data with off-site recovery to Azure.

Figure 2. Backup Exec's Instant Cloud Recovery.

Save more, store less

Flexible global deduplication 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. The new deduplication to cloud reduces the total cost of ownership (TCO) with comprehensive dedupe to cloud that can save storage and infrastructure costs.

Advanced integration with VMware and Hyper-V

Backup Exec protects your entire virtual environment, featuring advanced integration with VMware and Hyper-V. Recover what you need, when and where you need it. 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 on-prem or in the cloud. Easily create Instant Recovery copies from your virtual machine backups and perform automated recovery with Backup Exec Recovery Ready. Backup Exec uses Resilient Change Tracking (RCT) and the latest API integration with Hyper-V, increasing incremental and differential backup performance by up to 50 percent. This version also introduces extended hyperconverged environment support, including SMB 3.0, S2D and Scale-Out Storage.
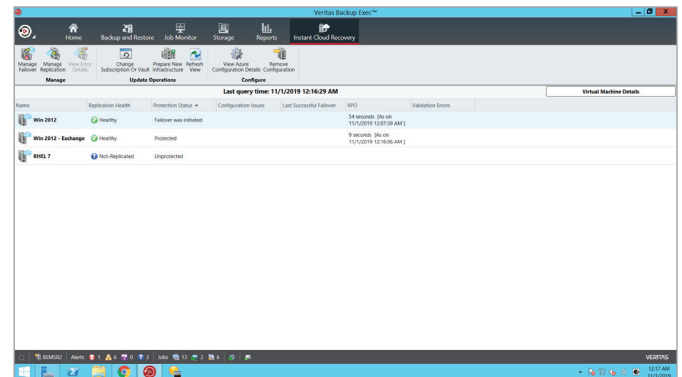
FLEXIBLE

Not every backup solution has the flexibility to protect all your organization's information—whether cloud, virtual or physical. 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 your data protection needs.

A true unified solution: cloud, virtual and physical data protection

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 from the same user console, providing optimal performance and efficiency. (See Figure 3.) Scalability is an important consideration in back up and recovery, and Backup Exec supports your organization as it grows.
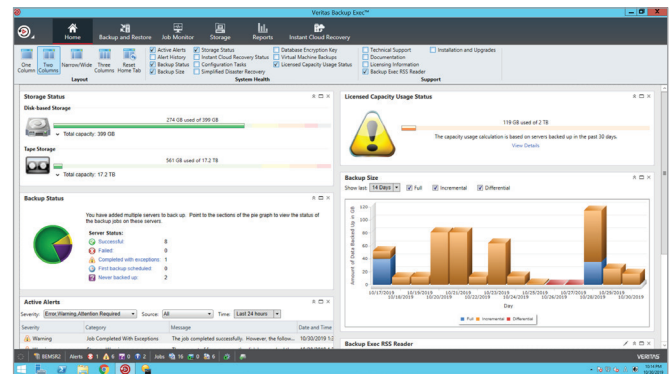

Figure 3. Backup Exec's user interface.

Hybrid architectures to cloud, disk and tape

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 with a single-pass backup. In a few simple clicks you can recover data from cloud servers, 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 also provides built-in DR 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. You can rapidly spin up protected virtual machines 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-prem, 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

Smarter decisions begin with better visibility. Backup Exec gives you visibility into your entire backup and recovery infrastructure so 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, while having full visibility of your backup storage thanks to Smart Meter integration. Backup Exec also includes SaaS Backup Reporting Integration, which allows you to get unified reporting across both products to provide an extra layer of visibility into your data, including your Office 365 workloads.

INNOVATIVE

With hundreds of patents awarded to Veritas in areas including backup, recovery, virtualization and deduplication, Backup Exec continues a long tradition of bringing advanced engineering technologies to market first.

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

— Terry Green,
IT Manager, AutoChair

SYSTEM REQUIREMENTS

For a complete list of system requirements and supported devices, please refer to the Backup Exec hardware and software compatibility list: www.backupexec.com/compatibility.

ABOUT VERITAS

Veritas Technologies is a global leader in data protection and availability. Over 80,000 customers—including 87 percent of the Fortune Global 500—rely on us to abstract IT complexity and simplify data management. The Veritas Enterprise Data Services Platform automates the protection and orchestrates the recovery of data everywhere it lives, ensures 24/7 availability of business-critical applications, and provides enterprises with the insights they need to comply with evolving data regulations. With a reputation for reliability at scale and a deployment model to fit any need, Veritas Enterprise Data Services Platform supports more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets, and more than 60 different cloud platforms. Learn more at www.veritas.com. Follow us on Twitter at @veritastechllc.

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