VERITAS™

The truth in information.

Backup Exec 20.4

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

OVERVIEW

Veritas Backup Exec™ is the backup solution without barriers, delivered your way. 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 connecting to on-prem storage. (See Figure 1.) With Instant Cloud Recovery, Backup Exec integrates directly with Azure Site Recovery to ensure data and application availability with cloud-based disaster recovery (DR).

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 the most economic option. 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 you need to back up. Your chosen license-set is available in whatever quantities you require.
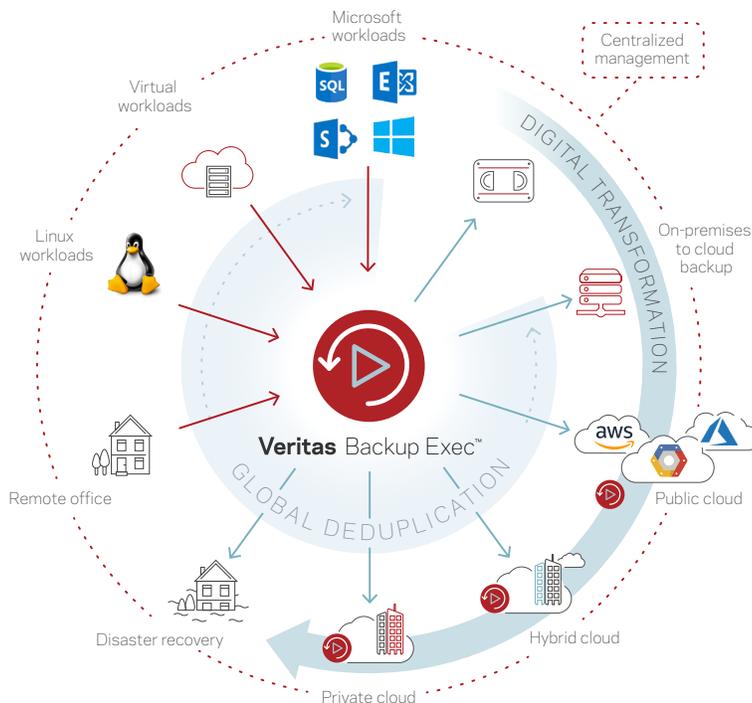

Figure 1. Backup Exec offers true unified cost-effective data protection with a single, unified console across cloud, virtual and physical deployments.

Key Features and Benefits

- Protection against Ransomware attacks thanks to the new Ransomware Resilience feature that protects backups from being modified by unauthorized processes.

- Support for the latest key Microsoft and VMware platforms.

- GDPR Guard enables organizations to implement information erasure-requests for enhanced compliance.

- Unified solution for virtual, physical, public and hybrid cloud environments simplifies data protection 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 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 disaster recovery testing of virtual machine backups to ensure recoverability.

- Integrated bare-metal Disaster Recovery, physical to virtual (P2V) and virtual to physical (V2P) recovery helps minimize downtime and disruption.

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

- Deduplication everywhere allows you to protect more data and save bandwidth while minimizing space required for backups across cloud, virtual and physical.

Backup Exec gives you comprehensive protection against external threats. So if the unthinkable happens, your critical data is backed up and ready to be recovered, quickly and easily.

SIMPLE, YET 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.

▪ 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 recovery your information.

Fast, cost-effective, multi-cloud backup for confidence and choice

With more cloud storage integration choices available, Backup Exec makes moving your backups to the cloud simple with one-click cloud storage integration. Get unified cloud data protection with end-to-end deduplication and certified cloud connectors for industry-leading cloud providers at lower cost and less risk—no matter where the data resides.

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. Easily create Instant Recovery copies from your virtual machine backups and perform automated recovery with Backup Exec Recovery Ready. Backup Exec 20.4 uses Resilient Change Tracking (RCT) and the latest API integration with Hyper-V, increasing incremental and differential backup performance by over 50% (Veritas internal test). This version also introduces extended hyper-converged environment support, including SMB 3.0, S2D, Scale out Storage, and Hyper-V on Nutanix.

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. This integrated Disaster-Recovery-as-a-Service (DRaaS) solution can minimize can minimize recovery point objective (RPO) and recovery time objective (RTO) for business-critical sites and data with off-site recovery to Azure.

Figure 2. Backup Exec 20.4

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 cost.
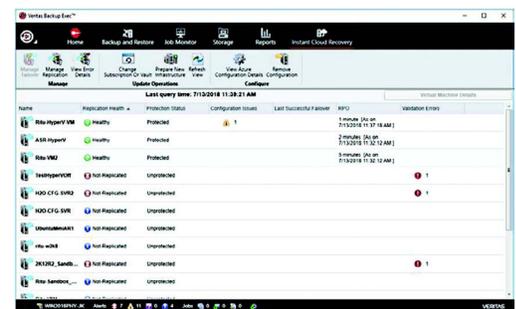
FLEXIBLE

Not every backup solution has the flexibility to protect all your organization's information—whether cloud, virtual and 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 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 cloud, disk and tape

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 cloud. 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 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. With Smart Meter integration in Backup Exec 20.4, you now have increased visibility into your backup storage.

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 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, while having full visibility of your backup storage thanks to Smart Meter integration.".

Flexible licensing

Backup Exec is a cost-effective solution that's easy to acquire, license, deploy, and scale. With Backup Exec you benefit from the ability to choose the right licensing model for your environment—all at affordable price.

Reduce information risk and optimize information storage

Backup Exec's integration with Veritas™ Information Map renders your information environment in visual context and guides users towards unbiased, information-governance decision making. (See Figure 3.) Using the Information Map's dynamic navigation, customers can identify areas of risk, areas of value and areas of waste across their storage environment and make decisions which help reduce information risk and optimize information storage.
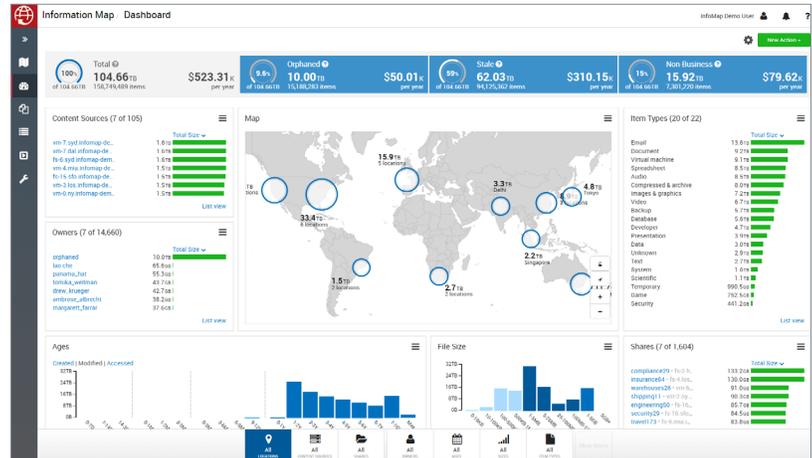
Figure 3. Veritas Information Map integration renders your information environment in visual context and guides users towards unbiased, information-governance decision making.

INNOVATIVE

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

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.

AVAILABLE EDITIONS, AGENTS AND OPTIONS

Backup Exec Editions

Backup Exec is available with the following licensing editions:

- Gold—perpetual and subscription.

- Silver—perpetual and subscription.

- Bronze—perpetual and subscription.

- Custom (à la carte)—perpetual only.

Backup Exec Perpetual and Term Subscription simplifies license management by enabling you to adapt and scale quickly to meet the evolving needs of your business. Backup Exec subscription licensing gives you access to unified data protection solution software with upgrades and new feature releases all rolled into a single, subscription price. There are three subscription editions: Bronze, Silver and Gold.

The Backup Exec Bronze, Silver and Gold perpetual and subscription offerings include unlimited deployment of the Backup Exec server, options and agents, as long as the number of front-end terabytes of data being protected does not exceed the number of terabytes specified by your license, with a minimum of 1 zTB license per Backup Exec server. 'Front-end terabyte' (FETB) is defined as the size of the protected, uncompressed data (that is, data that has not been deduplicated). You may purchase licenses for as many TB as you need based on the amount of data that needs to be protected. The number of Backup Exec Servers cannot exceed the number of TB purchase because each each Backup Exec Server must be licensed for at least 1 TB.

- **Bronze Edition**—Perpetual and Term subscription and billed upfront. File server protection for on-premises and cloud.

- **Silver Edition**—Perpetual and Term subscription and billed upfront. File server, database and application protection for on-premises and cloud.

- **Gold Edition**—Perpetual and Term and billed upfront. File server, database and application protection for on-prem and cloud with centralized management of backup servers for multi-site locations.

- **Custom Edition (à la carte)**—The Custom edition allows you to purchase Backup Exec by individual options and agents to meet your backup needs. Specific agents and features are licensed as separately priced items selected from a menu (à la carte).

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

> " "Nothing else on the market comes close for performance and usability."
>
> *— Terry Green,*
> *IT Manager AutoChair* "

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

ABOUT VERITAS

Veritas Technologies is a global leader in enterprise data management – our software and solutions help organizations protect their mission-critical data. Tens of thousands of businesses, including 97% of Fortune 100 companies, rely on us every day to back up and recover their data, keep it secure and available, to guard against failure and achieve regulatory compliance. In today's digital economy, Veritas delivers technology that helps organizations reduce risks and capitalize on their most important digital asset – their data. Learn more at www.veritas.com or follow us on Twitter at @veritastechllc.

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V0276 04/19