

Veritas Backup Exec™

Feature Comparison Matrix

Veritas Backup Exec™ delivers powerful, flexible, easy-to-use data protection for on-premise and cloud-based environments, protecting critical data wherever it resides. Whether backing up to the cloud, protecting workloads within the cloud, recovering from the cloud, or connecting to on-premises storage, Backup Exec offers certified integration with a broad range of hybrid and public cloud service providers.

Recovery is fast and efficient: with just a few clicks, quickly search and restore individual files or application objects, applications, virtual machines, and servers directly from backup storage; tape, disk or cloud. Integrated global deduplication reduces storage costs and increases operational efficiency and with a single, unified data protection platform, Backup Exec saves time and money ensuring critical information is always protected and recoverable.

Take a closer look at the new key features and innovations introduced in Backup Exec and previous versions of Backup Exec outlined in the table below.

Key Features	21	20	16	15	2014
Bronze, Silver and Gold Per Instance Licensing	X				
Instant Recovery for Linux VMs from Deduplication Storage on VMware vSphere and Microsoft Hyper-V	X				
2 Factor Authentication – access to the backup server	X				
Ransomware Resilience v2 - block code injection access to BE Server API	X				
Support for RHEL 8.0, 8.1	X				
VEMS Call Home - Automated License Updates through VEMS	X				
Enhanced Deduplication - PDD v12	X				
Bronze, Silver and Gold Subscription or Perpetual Licensing	X	X			
Support for Unix – AIX and Solaris	X	X			
Forever Incremental for Hyper-V and VMware	X	X			
Veritas SaaS Backup reporting integration	X	X			
Ransomware Resilience – block access to the on-disk backup data storage	X	X			
Smart Meter integration	X	X			
Windows Server 2019 Certification	X	X			
Microsoft Azure Certification	X	X			
GDPR Guard – block access to backed up items for privacy and compliance	X	X			
Integration with Azure Site Recovery for DRaaS	X	X			
Support for Windows Server 2016/2019, Hyper-V 2016/2019	X	X			
Support for SharePoint 2016	X	X			
Support for Exchange 2019	X	X			
Support for SQL 2017, 2019	X	X			
Support for VMWare vSphere 6.5 U2, 6.7 U1	X	X			
Support for Oracle 12c R2	X	X			
Support for RHEL 7.4, 7.6, 7.7	X	X			
Superior Deduplication (PDDE v10)	X	X			

Instant Recovery for Linux VMs on VMware vSphere and Microsoft Hyper-V	X	X			
Support for Amazon Glacier, Deep Archive, One Zone	X	X			
Support for Google Cloud Regions	X	X			
Support for Azure Archival Storage	X	X			
Support for Alibaba Cloud object storage services	X	X			
Cloud Marketplace – Microsoft Azure and AWS	X	X			
Support for IPv 6	X	X			
Support for PCI/DSS 3.2 standard	X	X			
Support for TLS 1.2	X	X			
Supports FIPS 140-2	X	X			
Global data visibility with Veritas Information Map integration	X	X			
Veritas Update — instant notifications and easy deployment of product patches and updates.	X	X			
Windows Server RS3 parity support	X	X			
S3 Private Cloud Connector -Administrators can now use any hybrid cloud storage that works natively with the Amazon S3 API without the need for additional Backup Exec licenses	X	X	X		
Support for Veritas Access Storage	X	X	X		
Support for EMC Elastic Cloud Storage (ECS)	X	X	X		
Support for Azure object storage targets (all regions, all tiers)	X	X	X		
Support for RedHat Ceph Storage	X	X	X		
Support for Scality RING Storage	X	X	X		
Integration with Microsoft SimpleStore	X	X	X		
Instant Recovery for Hyper-V 2016 virtual machines	X	X	X		
Veritas branding Backup Exec User Interface	X	X	X		
Instant Recovery for Windows VMs on VMware vSphere and Microsoft Hyper-V	X	X	X		
Backup Exec™ CloudConnect Optimizer to improved data rates based on the network bandwidth.	X	X	X		
Dedupe to Cloud with OpenDedupe OST Connector	X	X	X		
Recovery Ready feature validates the integrity of a protected VMware or Hyper-V virtual machine backup.	X	X	X		
One click Direct-To-Cloud	X	X	X		
Support of Infrequent Access Storage tier for Amazon S3: Standard & Standard_IA (Infrequent Access)	X	X	X		
Support for Google object storage targets	X	X	X	X	
Instant GRT to reduce virtual server backup time with an enhanced cataloging feature	X	X	X	X	
Cloudian HyperStore Support -Introduction of an S3 connector that works seamlessly with storage appliances built with Cloudian HyperStore allowing Backup Exec to record all metadata of information sent to and stored on the Cloudian HyperStore	X	X	X	X	
Support for Virtual Volumes (vVOLs) & vSAN - VMware converged and virtual storage technologies	X	X	X	X	
Backup Exec Database encryption for additional security	X	X	X	X	

Granular recovery from 2TB+ Disks & GPT Partitions —Enables recovery of individual application items from virtual disks greater than 2TB and those configured using GPT Partitions	X	X	X	X	
64-bit-only Backup Exec server support —End of support for Backup Exec Server installation on 32-bit server hardware	X	X	X	X	
Granular recovery for Microsoft Exchange and SharePoint —Backup Exec extends its market-leading patented granular recovery technology to supported Exchange and SharePoint versions.	X	X	X	X	X
Support for NetApp AltaVault	X	X	X	X	X
Support for Amazon Web services Storage Gateway	X	X	X	X	X
Dynamic inclusion feature to automatically protect new virtual machines and folders that are found when a backup job runs	X	X	X	X	X
Stages technology to create single backup jobs that support multiple processes such as sophisticated D2D2T or D2D2C with a single-click	X	X	X	X	X
Multi-server job model —Save time and simplify the creation of backup jobs by backing up and managing multiple servers with a single backup job.	X	X	X	X	X
Job Monitor —Backup Exec introduces an easy-to-use interface featuring intelligent dashboards and intuitive wizards that provide the visibility you need to monitor every backup and recovery job in a single view.	X	X	X	X	X
Support for Quantum Q-cloud	X	X	X	X	X
Virtual Machine Migrator (P2V and B2V) —Convert backups to virtual machines for instant recovery so that you can get that server back up and running in a VMware or Microsoft Hyper-V environment quickly and easily.	X	X	X	X	X
One product, any recovery —Easily recover an entire server, virtual machine, application, database, file/folder, and granular objects from anywhere to anywhere.	X	X	X	X	X
Bare metal and dissimilar hardware recovery —Recover an entire server to the same or entirely different hardware in minutes, not hours, days, or weeks.	X	X	X	X	X
Guided restore wizard —Backup Exec simplifies recovery by guiding you through a process that is designed specifically for the type of data that you want to restore.	X	X	X	X	X
True image restore (TIR) for synthetic backups	X	X	X	X	X
Checkpoint restart to support restarting backups from points of failure on volume, file, and folder backups of local and remote servers	X	X	X	X	X
PowerShell interface (BEMCLI)	X	X	X	X	X
New storage handling —Easily configure all types of storage, including disk, deduplication, network, and cloud storage, as well as storage pools. Backup Exec also provides storage trending and capacity monitoring and reporting.	X	X	X	X	X

Enhanced search for restore —Perform a search of backed-up data with more granular detail including mailbox data by subject, Microsoft SQL databases by name, SharePoint data by document name, etc.	X	X	X	X	X
Discover data that's not backed up —Configure Backup Exec to browse the network and discover servers and application data that have not been backed up to help ensure critical data is always protected.	X	X	X	X	X
Unlimited virtual machine protection per host —Protect an unlimited number of guest machines per host.	X	X	X	X	X
Granular recovery for SQL, Exchange, SharePoint, and Active Directory in virtual environments —Recover granular SQL, Exchange, SharePoint, and Active Directory objects from a single-pass backup in VMware or Hyper-V virtual environments.	X	X	X	X	X
Security layer —Advanced network security and authentication during communication between the Backup Exec server and remote agent computers over Wide Area Networks (WANs) and Local Area Networks (LANs).	X	X	X	X	X
Integrated and customizable data deduplication —Reduces data backup storage while optimizing network utilization and backup windows with client/source, target/media server, and appliance deduplication of data on physical or virtual machines.	X	X	X	X	X
Patented granular recovery for SQL —Easily recover individual SQL databases and tables from a single-pass backup in seconds.	X	X	X	X	X
Unified backup for cloud, virtual, and physical —A single-pass backup protects your entire environment, both physical and virtual, from a single management console.	X	X	X	X	X
Enhanced granular recovery for SharePoint —Expanded granular recovery for SharePoint restores documents, sites, sub-site, lists, libraries, calendar items, wiki discussions, and more from a single-pass backup.	X	X	X	X	X
Protection of heterogeneous server environments —High-performance agents provides protection for Linux, and Oracle, plus new direct attached storage support for Linux server environments.	X	X	X	X	X
Enhanced protection for NDMP-enabled network attached storage (Nas) devices —Protects NDMP configurations attached directly to storage area networks.	X	X	X	X	X
Full application protection of Veritas Enterprise Vault™ —Including directory databases, partitions, or vault stores, and indexes.	X	X	X	X	X
T10 encryption —Support for LTO tape drives which utilize T10 encryption.	X	X	X	X	X
Patented granular recovery for Microsoft Active Directory —Restore object-level Active Directory elements including individual user accounts,	X	X	X	X	X

organizational units, and individual attributes without rebooting a domain controller.					
AES OpenSSL (128- and 256-bit) —FIPS-140-2 certified in-flight and at rest encryption.	X	X	X	X	X
Customized reporting —Customizable reports for all Backup Exec activity.	X	X	X	X	X
Centralized management —Easily manage multiple servers and Backup Exec media servers from a single console.	X	X	X	X	X
Off-host backups of clustered Exchange databases	X	X	X	X	X
Backup catalog and security properties —Backup Exec backs up catalog and security properties simultaneously during the backup job.	X	X	X	X	X
Storage attached Network (SAN) support —Support for high-speed LAN free backup and shared SAN tape libraries.	X	X	X	X	X
Backup to tape and disk storage devices —Backup Exec now supports disk storage devices as well as tape.	X	X	X	X	X
Clustering Backup Exec in a Microsoft Cluster Server (MSCS) environment	X	X	X	X	X

For More Information

Link	Description
Backup Exec web page	www.backupexec.com
Backup Exec admin guide	www.backupexec.com/admin
Backup Exec resources	www.backupexec.com/resources
Backup Exec compatibility	www.backupexec.com/compatibility
Backup Exec support	www.backupexec.com/support
Backup Exec training	www.backupexec.com/training
Backup Exec user forum	www.backupexec.com/forum
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60-day trialware for Backup Exec	www.backupexec.com/trybe
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