

# What's new in Backup Exec

# What's New in Backup Exec releases and its feature packs

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# What's New in Backup Exec releases from Backup Exec 16 to Backup Exec 21

This article lists the new features added from Backup Exec 16 to Backup Exec 21. For more information on these features, see the Backup Exec Administrator's Guide.

## What's new in Backup Exec 21

Item	Description
Enhanced licensing experience	<p>Backup Exec users get an enhanced licensing experience. Connection with Veritas Entitlement Management System will be authenticated and updated licenses will be downloaded automatically.</p> <p>Backup Exec will also automatically synchronize licenses when maintenance contracts are renewed.</p>
Instance-based Licensing	<p>The Instance-based licensing model in Backup Exec is available in Bronze, Silver, and Gold packaging. Licensing is based on the number of physical and virtual machines that are protected.</p>
Enhancements to Remote Administration Console	<p>Remote Administration Console users can connect to the Backup Exec server using the logged on user's credentials as default authentication. This authentication can also be used by smart card users.</p> <p>Users now have the ability to allow client connections over Kerberos only.</p>
Enhanced Backup Exec deduplication engine	<p>Backup Exec users get an updated deduplication engine that uses stronger hash algorithms, while backing up to the Backup Exec deduplication folder.</p>
Enhancements to Instant Recovery and Recovery Ready	<p>Backup Exec now allows Instant Recovery and Recovery Ready operations for virtual machines backed up to deduplication disk storage.</p>
Enhancements to Ransomware Resilience	<p>As part of continued enhancements in the disk storage lockdown feature, Backup Exec does not allow other non-Backup Exec processes to modify backup data via external code execution.</p>

<b>Item</b>	<b>Description</b>
Backup Exec Agent for Linux	The Backup Exec Agent for Linux now supports the following: <ul style="list-style-type: none"><li>■ RHEL 8</li><li>■ RHEL 8.1</li><li>■ Oracle Linux 8</li><li>■ Oracle Linux 8.1</li></ul>
Support for vSphere 7.0	Backup Exec protects vSphere 7.0.

## What's new in Backup Exec 20 Update 6

<b>Item</b>	<b>Description</b>
Backup Exec Accelerator	Backup Exec supports forever incremental backups for VMware and Hyper-V virtual machines. It eliminates the need to do frequent full backups of the source virtual machines by creating consolidated full backup sets on the Backup Exec server.
Support for new cloud storage regions	Backup Exec users benefit from cloud storage choices through support for the following cloud storage regions, enabling greater flexibility and economy: <ul style="list-style-type: none"><li>■ Amazon: Bahrain</li><li>■ Azure: UAE – North</li></ul> Review the Backup Exec Hardware Compatibility List (HCL) for supported cloud storage regions. You can find the HCL at the following URL: <a href="http://www.veritas.com/docs/000017788">http://www.veritas.com/docs/000017788</a>

# What's new in Backup Exec 20 Update 5

Item	Description
Veritas SaaS Backup integration	<p>Backup Exec integrates with Veritas SaaS Backup to provide unified reporting across both products.</p> <p>In the Backup Exec console, you can use the reporting feature to run the Jobs Summary report to view Veritas SaaS Backup data along with Backup Exec data after configuring a Veritas SaaS Backup account.</p> <p>For more information about Veritas SaaS Backup, go to the following URL:</p> <p><a href="https://www.veritas.com/backup/veritas-saas-backup-on-amp-it-service-saas-backup-overview">https://www.veritas.com/backup/veritas-saas-backup-on-amp-it-service-saas-backup-overview</a></p>
Support for new cloud storage	<p>Backup Exec users benefit from cloud storage choices through support for the following cloud storage tiers in Amazon, enabling greater flexibility and economy:</p> <ul style="list-style-type: none"><li>■ Amazon S3 Glacier</li><li>■ Amazon S3 Glacier Deep Archive</li><li>■ Amazon S3 Intelligent-Tiering</li><li>■ Amazon S3 One Zone-Infrequent Access</li></ul>
Windows Server, version 1903 and Windows 10, version 1903	<p>Backup Exec now protects Windows Server, version 1903 and Windows 10, version 1903.</p>
Support for new cloud storage regions	<p>Backup Exec users benefit from cloud storage choices through support for the following cloud storage regions, enabling greater flexibility and economy:</p> <ul style="list-style-type: none"><li>■ Google: Hong Kong, Mumbai, Osaka, Finland, Netherlands, Zurich, Montreal, Sao Paulo, and Los Angeles</li><li>■ Amazon: Hong Kong</li></ul> <p>Review the Backup Exec Hardware Compatibility List (HCL) for supported cloud storage regions. You can find the HCL at the following URL:</p> <p><a href="http://www.veritas.com/docs/000017788">http://www.veritas.com/docs/000017788</a></p>

# What's new in Backup Exec 20 Update 4

Item	Description
Ransomware Resilience	Backup Exec monitors access to its disk-based storage device locations. Any changes to the disk-based storage device locations can only be done by Backup Exec. No other process can write to the disk storage.
Support for Resilient Change Tracking (RCT)	Backup Exec supports protection of virtual machines hosted on Hyper-V using the Resilient Change Tracking (RCT) method. Resilient Change Tracking (RCT) is available for Hyper-V running on Windows Server 2016 and later.
Backup for Office 365 with Veritas SaaS Backup	Free trial of Veritas SaaS Backup is available for Backup Exec customers for fully automated data protection for Office 365 and other SaaS workloads. <a href="https://www.veritas.com/form/trialware/saas-backup">https://www.veritas.com/form/trialware/saas-backup</a> For more information about Veritas SaaS Backup, go to the following URL: <a href="https://www.veritas.com/product/backup-and-recovery/saas-backup?om_camp_id=us_vrc_be_web_saas-backup_customers">https://www.veritas.com/product/backup-and-recovery/saas-backup?om_camp_id=us_vrc_be_web_saas-backup_customers</a>
Support for Veritas Smart Meter	Backup Exec users can track their capacity usage and entitlement with Veritas Smart Meter. <a href="https://taas.veritas.com/">https://taas.veritas.com/</a>
Support for Server Message Block (SMB) and Scale-Out File Server	Backup Exec supports protection of Hyper-V virtual machines hosted on Server Message Block (SMB) and Scale-Out File Server shares. This support is available if the Resilient Change Tracking (RCT) method is selected and Hyper-V is running on Windows Server 2016 and later.
Support for Microsoft SharePoint Server 2016 with GRT	Backup Exec now adds support for granular restore of individual items (GRT) from SharePoint 2016 backups.
Backup virtual machine disks selectively - Hyper-V	You can now choose which virtual disks to include or exclude when backing up Hyper-V virtual machines. This feature is applicable for virtual machines hosted on Hyper-V and is already available for VMware virtual machines.
Backup jobs with debug logging enabled	Backup Exec users can run a job with debug logging enabled. This feature makes it easy to get the debug logs, which can be sent to technical support.

# What's new in Backup Exec 20 Update 3

<b>Item</b>	<b>Description</b>
GDPR Guard	Backup Exec users can now block access to certain backed up items for privacy and compliance requirements of an organization. With GDPR Guard, users can specify the list of blocked items that should no longer be viewed or restored using Backup Exec.
Support for Windows Server 2019	Backup Exec now supports backups and restores of Windows Server 2019. Backup Exec and Agent for Windows can be installed on Windows Server 2019.  You can find a list of compatible operating systems, platforms, and applications in the Backup Exec Software Compatibility List (SCL).
Support for Microsoft Exchange Server 2019	Support for backups and restores of Exchange Server 2019 databases, and restore of individual items (GRT) with Exchange Server 2019 is available.  You can find a list of compatible operating systems, platforms, and applications in the Backup Exec Software Compatibility List (SCL).
Retry backup for only failed resources	Backup Exec users can now retry a failed backup job for only those resources that failed during the last run.
Backup virtual machine disks selectively - VMware	You can now choose which virtual disks to include or exclude when backing up VMware virtual machines.  This feature is only applicable for virtual machines hosted on VMware vSphere.
Support for new cloud storage - Alibaba	Alibaba Cloud Object Storage Service (OSS) is now supported by Backup Exec Cloud Connector.  You can find a list of supported cloud storage regions in the Backup Exec Hardware Compatibility List (HCL).

## What's new in Backup Exec 20 Update 2

Item	Description
Instant Cloud Recovery	<p>Backup Exec users get Disaster Recovery powered by Azure Site Recovery. You can monitor the replication health and enable replication of on-premise virtual machines, whose hosts are configured with Azure Site Recovery.</p> <p>For more information about Azure Site Recovery, go to the following URL:</p> <p><a href="https://azure.microsoft.com/services/site-recovery/">https://azure.microsoft.com/services/site-recovery/</a></p>
Support for vSphere 6.7	Backup Exec protects vSphere 6.7.
Support for Microsoft SharePoint Server 2016	Backup Exec now supports protection of SharePoint Server 2016. Granular restore is limited to farm-level components.
Windows Server, version 1803 and Windows 10, version 1803	Backup Exec now protects Windows Server, version 1803 and Windows 10, version 1803.
Establish trust for vCenter/ESX(i) servers	Backup Exec users can now review and validate the security SSL certificates installed on vCenter/ESX(i) hosts.

## What's new in Backup Exec 20 Update 1

Item	Description
Backup Exec now introduces Subscription and Perpetual-based Licensing	<p>The Subscription and Perpetual licensing models in Backup Exec are available in Bronze, Silver, and Gold packaging. The Subscription and Perpetual licensing models facilitate simpler transactions for businesses with fewer sets of licenses to manage for users.</p> <p>It makes it easy for users to do backups since they are paying based on the front end capacity they are protecting.</p>
Enhanced Instant recovery	Backup Exec users can now also instantly recover any non-Windows virtual machine.



<b>Item</b>	<b>Description</b>
Support for OpenDedupe Connectors	The OpenDedupe OST Connector now supports Azure Archival Storage and Amazon Glacier. With the integration between Backup Exec and OpenDedupe, you can now back up to this storage.
Enhancing S3-Compatible Cloud service provider coverage	Backup Exec supports more cloud storage providers when the cloud storage is configured with the "compatible-with-s3" provider. For more information, refer to the following technote: <a href="http://www.veritas.com/docs/000126210">http://www.veritas.com/docs/000126210</a>
Backup Exec integrates with Veritas™ Information Map	Backup Exec integrates with Veritas™ Information Map. This integration helps organizations gain insight into their data by providing an immersive visual experience of the global information environment for an organization.  Backup Exec can be configured to populate Information Map with metadata of an organization's unstructured data and identify areas of risk, value, waste, and interest.
Veritas Update replaces LiveUpdate	LiveUpdate has been replaced with Veritas Update to provide updates for Backup Exec.
Enhanced inbound firewall rules for Backup Exec	Backup Exec has enhanced the existing inbound firewall rules to provide access for only the required ports and restrict access to all other ports. This helps to minimize probability of a security lapse or violation.
Enhancements to Backup Exec with a powerful Deduplication engine	Backup Exec users can get improved speed, scale, and stability while backing up to the Backup Exec deduplication folder.
Payment Card Industry Data Security Standard (PCI DSS) support	Backup Exec can be installed for data protection in an environment configured to use TLS 1.2 that helps to comply with the Payment Card Industry Data Security Standard (PCI DSS) 3.1/3.2 requirements.
Transport Layer Security (TLS) 1.2 support	Backup Exec can be installed for data protection in an environment configured to use TLS 1.2.
Improved IPv6 support	Backup Exec client-side deduplication, NDMP Option, and RMAL features can also be used with the IPv6 (Pure and Dual Stack) protocol.
Support for SQL Server 2017	Backup Exec now protects SQL Server 2017. You can also host the Backup Exec database on SQL Server 2017.

# What's new in Backup Exec 20

<b>Item</b>	<b>Description</b>
Backup Exec integrates with Veritas™ Information Map	Backup Exec integrates with Veritas™ Information Map to help organizations gain insight into their data by providing an immersive visual experience of the global information environment for an organization.  Backup Exec can be configured to populate Information Map with metadata of an organization's unstructured data and identify areas of risk, value, waste and interest.
Veritas Update replaces LiveUpdate	LiveUpdate has been replaced with Veritas Update for providing updates to Backup Exec.:
Backup Exec now comes with the convenience of Subscription-based Licensing	Backup Exec licensing has changed. Backup Exec is now available in three editions: Backup Exec Bronze, Silver, and Gold. Each edition includes a specific set of features, and are priced on a per-terabyte basis. A Trial edition is also available, which includes all of the agents and features included with the Gold edition.  For more information about licensing changes, see the Backup Exec Administrator's Guide.
Enhancements to Backup Exec with a powerful Deduplication engine	Backup Exec users get improved speed, scale, and stability while backing up to the Backup Exec deduplication folder.
Payment Card Industry Data Security Standard (PCI DSS) support	Backup Exec can be installed for data protection in an environment configured to use TLS 1.2 in compliance with the Payment Card Industry Data Security Standard (PCI DSS) requirements.
Support for SQL Server 2017	Backup Exec now supports backup and restore of SQL Server 2017.

# What's New in Backup Exec 16 Feature Pack 2

Item	Description
Backup Exec™ CloudConnect Optimizer	Backup Exec users benefit from the Backup Exec™ CloudConnect Optimizer as it tunes the Write Connections setting to ensure successful backups and improved data rates based on the network bandwidth.
S3-compatible cloud storage	You can now configure S3-compatible cloud storage with Backup Exec. For more information, refer to the following technote:  <a href="http://www.veritas.com/docs/000126210">http://www.veritas.com/docs/000126210</a>
Support for new cloud storage regions	Backup Exec users benefit from cloud storage choices through support for the following cloud storage regions, enabling greater flexibility and economy: <ul style="list-style-type: none"><li>■ Microsoft Azure Government Cloud</li><li>■ Microsoft Azure Germany</li><li>■ Amazon Government Cloud</li></ul> Review the Backup Exec Hardware Compatibility List (HCL) for supported cloud storage regions. You can find the HCL at the following URL:  <a href="http://www.veritas.com/docs/000017788">http://www.veritas.com/docs/000017788</a>
Support of Regional storage class for Google	To improve accessibility of cloud storage data, Backup Exec supports the Regional storage class for Google cloud storage.
Dedupe to Cloud with OpenDedupe OST Connector	The OpenDedupe OST Connector provides integration between Backup Exec and OpenDedupe.  The Backup Exec™ Configuration Tool for OpenDedupe is a tool that simplifies the configuration of OpenDedupe volumes for use by Backup Exec. For more information about this configuration tool, refer to the following technote:  <a href="http://www.veritas.com/docs/000127295">http://www.veritas.com/docs/000127295</a>

# What's New in Backup Exec 16 Feature Pack 1

Item	Description
Recovery Ready feature	Recovery Ready validates the integrity of a protected VMware or Hyper-V virtual machine backup. The validation job runs tests and ensures that the virtual machine and its data can be reliably recovered if necessary. This helps IT operations smooth recovery in the event of data loss.
Enhanced resiliency for Instant Recovery	Enhanced resiliency increases the data and application availability of VMware and Hyper-V virtual machines that have been Instantly Restored. This improves business continuity in case the Backup Exec server or the VMware or the Hyper-V server must be restarted. As soon as the restart is complete or network reconnected, virtual machines restored with the "Instant Recovery" feature are brought back online automatically.
Support for new private cloud-based storage providers	Backup Exec broadens cloud storage choices through support for the following private providers, enabling greater flexibility and economy: <ul style="list-style-type: none"><li>■ Dell EMC Elastic Cloud Storage (ECS)</li><li>■ RedHat Ceph Storage</li></ul>
Direct-To-Cloud	Backup Exec users benefit from enhanced Direct-To-Cloud features that increase flexibility for their cloud implementations: <ul style="list-style-type: none"><li>■ Back up data directly to cloud.</li><li>■ Direct configuration of cloud storage devices.</li><li>■ Global settings to configure the read and write connection to a cloud storage device.</li><li>■ Improved clarity of cloud storage device properties.</li><li>■ A new Cloud Storage Summary report.</li></ul>
Support of Infrequent Access Storage tier for Amazon S3	To improve the economy of cloud data storage, Backup Exec now supports the following tiers for Amazon S3 Cloud Storage: <ul style="list-style-type: none"><li>■ Standard</li><li>■ Standard_IA (Infrequent Access)</li></ul>

# What's New in Backup Exec 16

Item	Description
User interface	Backup Exec has updated rebranding for Veritas Backup Exec 16.
Support for Microsoft Azure storage cloud	<p>Backup Exec supports Microsoft Azure Storage cloud as a backup target. Backup Exec supports writing backup data to and restoring data from Microsoft Azure Blob storage.</p> <p>For more information about Microsoft Azure Storage cloud requirements and configuration, see "About cloud-based storage devices" in the Backup Exec 16 Administrator's Guide.</p> <p>For the list of supported cloud providers, see the Backup Exec Hardware Compatibility List at the following URL: <a href="https://www.veritas.com/support/en_US/article.000017788">https://www.veritas.com/support/en_US/article.000017788</a></p>
Support added for Windows 2016 Server	<p>Backup Exec 16 supports Windows 2016 Server. All operating system features supported by Backup Exec on a Windows 2012 R2 server are also supported on a Windows 2016 server.</p> <p>This includes agent-based backup of a Windows 2016 server including Hyper-V virtual machines.</p>
Support for VMware vSphere 2016	Backup Exec supports VMware vSphere 2016.