Veeam Backup & Replication

Veeam Backup & Replication v10

Veeam Backup & Replication delivers powerful data protection across ALL your cloud, virtual, and physical workloads with a simple, flexible and reliable solution. Protect your data no matter the location or workload type.

For details on pricing, please access:

PRICING PAGE

LICENSE CONFIGURATOR

VEEAM BACKUP & REPLICATION	COMMUNITY*	STANDARD	ENTERPRISE	ENTERPRISE *PLUS*	Notes
Industry-leading backup, recovery and replication software	FREE DOWNLOAD		DOWNLOAD FREE TRIAL		
BACKUP & REPLICATION					
Backup					
Application-aware, image-based backups	✓	✓	✓	✓	Create application-consistent, image-level VM backups with advanced, application-aware processing (transaction log backup for SQL only available in Enterprise and Enterprise *Plus* editions).
VeeamZIP™	✓	✓	✓	✓	Streamline ad-hoc backups of live VMs for archival purposes.
NAS Backup NEW	✓	✓	✓	✓	Back up, protect and recover large NAS file shares effectively and at scale, including SMB/CIFS and NFS formats. Back up directly to Veeam performance and cloud repositories for short and long-term storage objectives. This requires Enterprise *Plus* edition for long-term archival support. *Community Edition* supports 250 GB of NAS data per license.

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Veeam Cloud Tier NEW			✓	✓	Leverage native object storage integration with on-premises, AWS, Microsoft Azure, IBM Cloud and multiple S3 compatible storage offers. This helps eliminate "public cloud tax" and vendor lock-in associated with secondary storage appliances. Veeam offers both copy and move capabilities for improving and automating redundant air-gapped storage options for long-term retention on object storage. Also, protect against ransomware with S3 object lock immutability for locking object storage repositories.
ROBO Guest Interaction Proxy			✓	✓	Reduce the load on the central backup server and simplify scalability for enterprise-level businesses with a large number of remote office/branch offices (ROBOs) when performing application-aware processing and guest file system indexing.
Backup I/O control			✓	✓	Allows you to set the maximum acceptable I/O latency level for production datastores to ensure that backup and replication activities do not impact storage Availability to production workloads. Enterprise edition includes a global latency setting and Enterprise *Plus* edition provides setting customization on a per-datastore basis.
Backup from Storage Snapshots (view storage partners)[1]				✓	Create image-based backups and replicas as often as necessary with little to no impact on production from the world's leading storage providers for backups from primary and secondary storage snapshots. This includes a growing list of storage alliance and ecosystem partners. (Backup from Secondary storage snapshots requires storage vendor specific snapshot replication enabled and configured)

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Primary Snapshot Orchestration (view storage partners) NEW 1	✓	✓	✓	✓	To support customers in implementation of better RTO and RPO windows, additional storage snapshots, including the option for transaction log processing, can be created on the primary storage arrays for a wide range of storage systems. Orchestration for secondary storage snapshots is included for several storage vendors in the Enterprise edition and above. (Secondary Storage snapshot orchestration requires storage vendor specific snapshot replication enabled and configured)
Support for Nutanix AHV v2 Proxy	✓	✓	✓	✓	Read more about AHV Proxy
Storing backups					
Built-in deduplication, compression and swap exclusion	✓	✓	✓	✓	Decrease backup storage requirements and network traffic with built-in deduplication; multiple compression options let you balance storage consumption with performance and backup proxy load; swap exclusion reduces backup footprint and improves performance.
BitLooker™ & file-selective, image-level processing	✓	✓	✓	✓	Analyze the NTFS Master File Table (MFT) to identify blocks belonging to deleted files and skip those blocks from image-level processing to reduce backup file sizes and replication bandwidth consumption. In Enterprise edition and above, exclude individual files and folders during backup and replication to reduce the amount of data that needs to be transferred and stored.

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Backup Copy jobs NEW	✓	✓	✓	✓	Copy all or selected backups to your DR storage location of choice automatically, including validation and remediation to ensure copies are available and reliable. Version 10 adds support for simplified secondary copy option and the added ability to copy log backups for SQL and Oracle. Additionally, Enterprise Application Plug-in backups like SAP HANA and Oracle RMAN are now processed. Veeam also added the option to use storage-based replication with HPE Catalyst copy for specific workloads.
End-to-end encryption	✓	✓	✓	✓	Secure backup data and network transfers with end-to-end AES 256-bit encryption without any negative impact on built-in compression and WAN acceleration data reduction ratios. All editions include at-source (during backup), in-flight (network traffic) and at-rest (tape) encryption. Enterprise and Enterprise *Plus* editions also include lost password protection.
Native tape support	✓	✓	✓	✓	Back up files to any LTO compatible tape devices. All editions support file to tape jobs. Enterprise and Enterprise *Plus* editions add tighter integration with primary backup jobs, dedicated media pool type to simplify GFS retention and global media pools to simplify the usage of multiple tape devices. Enterprise *Plus* also provides NDMP to tape support for NAS devices.

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Veeam Cloud Connect Backup		✓	✓	✓	Get your backups off site with fully integrated, fast and secure backup, and restore from the cloud through a service provider of your choice. *Community Edition* and Veeam Backup Starter do not support Cloud Connect.
Proxy affinity			✓	✓	Simplify job creation and map direct connections between proxies and backup repositories.
Per-VM backup files for deduplicating storage			✓	✓	Store each VM in a separate backup file to enhance backup performance when backing up to deduplicating storage. This is accomplished by leveraging parallel VM processing to enable multiple, concurrent write streams. Get faster backup performance by backing up to deduplicating storage integrations (Dell EMC Data Domain Boost, HPE StoreOnce Catalyst and ExaGrid Accelerated Data Mover).
Scale-out Backup Repository™ NEW			✓	✓	Provide an abstraction layer over individual storage devices to create a single virtual pool of backup storage for your backups. With Enterprise edition, users can create two Scale-out Backup Repositories with three active extents and one inactive extent (placed in maintenance mode). Enterprise *Plus* edition has no limitations on the number of repositories or extents. In v10, users can take advantage of sealed mode to seal extents for protection and security or to gracefully phase out storage devices on your schedule.

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Built-in WAN Acceleration NEW			✓	✓	Get replicas off site up to 50x faster and save bandwidth. Enterprise edition supports built-in WAN Acceleration to Veeam Cloud Connect targets only, including support for up to 1 Gbps. Enterprise *Plus* edition supports built-in WAN Acceleration to any target.
Veeam Plug-in for *Oracle RMAN & SAP HANA* NEW				✓	Stream SAP HANA and Oracle RMAN backups into Veeam repositories and recover with ease, leveraging native SAP and Oracle backup and restore capabilities, including simultaneous backup copies to multiple backup targets for Oracle Database Enterprise Edition. Oracle RMAN plug-in includes support for Oracle RAC, physical ASM, Oracle container DBs and Solaris. Recover with Veeam Explorer™ for Oracle when native restore is not an option. Improvements with v10 include backup copy processing, increased performance and parallel backup processing for cluster.
Replication					
Image-based VM replication	✓	✓	✓	✓	Replicate VMs on site for High Availability or off site for DR.
Assisted failover and failback	✓	✓	✓	✓	Replica rollback and assisted failover and failback.
Replication from a backup	✓	✓	✓	✓	Create replicas directly from VM backup files without impacting production.
Planned failover	✓	✓	✓	✓	Facilitate data-center migrations with zero data loss.

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Veeam Cloud Connect Replication		✓	✓	✓	Ensure Availability of your mission-critical applications with fully integrated, fast and secure cloud-based DR through a Disaster Recovery as a Service (DRaaS) provider of your choice. Veeam Backup Starter does not support Cloud Connect.
1-Click failover orchestration			✓	✓	Built-in failover plan orchestration enabling easy, 1-click-site failover to minimize unplanned downtime.
RECOVERY					
Entire VM Recovery					
Full VM recovery	✓	✓	✓	✓	Recover an entire VM on the original host or on a different host. Includes quick rollback functionality to restore changed blocks only.
Instant VM Recovery®NEW	✓	✓	✓	✓	Accelerate Disaster Recovery and lower RTOs with mass instant restores powered by Veeam's next-generation Instant Recovery engine. You can immediately start a VM from a backup file stored on the backup repository. While increasing agility to allow instant recovery of ANY Veeam backup to VMware vSphere.
VM file and virtual disk recovery	✓	✓	✓	✓	Recover individual VM files (such as VMX) and virtual disks.
Direct Restore *to AWS, Microsoft Azure, Azure Stack*	✓	✓	✓	✓	Restore or migrate on-premises, Windows-based or Linux-based VMs, physical servers and endpoints directly to AWS, Microsoft Azure and Microsoft Azure Stack.
File level Recovery					
Instant File-Level Recovery	✓	✓	✓	✓	Recover files from 19 common file systems used by Windows, Linux, BSD, Mac OS, Novell, Solaris and Unix.[2]

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Item level Recovery					
Veeam Explorer™ for Storage Snapshots[1] NEW	✓	✓	✓	✓	Restore individual VMs, guest files and application items from storage snapshots (see complete list of storage partners). This also includes transaction log processing in snapshot jobs for point-in-time restore from snapshots for Oracle and SQL.
Veeam Explorer *for Microsoft Active Directory*	✓ Get a web-based, consolidated view of your distributed deployment in a single pane of glass, without having to login to individual backup servers, including federation of multiple backup servers, centralized reporting and consolidated alerting. Paid editions include monitoring and reporting across multiple backup servers, as well as the ability to start and stop jobs. Enterprise and Enterprise *Plus* editions also include full job management functionality and the ability to perform restores.	✓ Get a web-based, consolidated view of your distributed deployment in a single pane of glass, without having to login to individual backup servers, including federation of multiple backup servers, centralized reporting and consolidated alerting. Paid editions include monitoring and reporting across multiple backup servers, as well as the ability to start and stop jobs. Enterprise and Enterprise *Plus* editions also include full job management functionality and the ability to perform restores.	✓	✓	Search and restore for all Active Directory (AD) object types, such as users, groups, computer accounts and contacts, including user and computer password recovery. All editions, including *Community Edition*, support single user and computer account restore via export in LDIFDE format or restore back to AD, plus the ability to restore passwords. Enterprise and Enterprise *Plus* editions include multi-select restore and container restore, Group Policy Objects (GPO) restore, AD-integrated DNS records restore and Configuration Partition objects restore.

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Veeam Explorer *for Microsoft Exchange*	Get a web-based, consolidated view of your distributed deployment in a single pane of glass, without having to login to individual backup servers, including federation of multiple backup servers, centralized reporting and consolidated alerting. Paid editions include monitoring and reporting across multiple backup servers, as well as the ability to start and stop jobs. Enterprise and Enterprise *Plus* editions also include full job management functionality and the ability to perform restores.	Get a web-based, consolidated view of your distributed deployment in a single pane of glass, without having to login to individual backup servers, including federation of multiple backup servers, centralized reporting and consolidated alerting. Paid editions include monitoring and reporting across multiple backup servers, as well as the ability to start and stop jobs. Enterprise and Enterprise *Plus* editions also include full job management functionality and the ability to perform restores.	✓	✓	Get instant visibility into Microsoft Exchange backups for item recovery of individual Exchange items (emails, appointments, notes, contacts, etc.), online archive mailboxes and hard-deleted items. Leverage comprehensive e-Discovery functionality, including query-result, size estimation and detailed export reports. All editions, including Community Edition, support Exchange mailbox item restore via save, send and PST export. Enterprise and Enterprise *Plus* editions support restoring back to the original mailbox.
Veeam Explorer *for Microsoft SQL Server*	✓	✓	✓	✓	Restore individual SQL databases with ease, without needing an extensive SQL background or having to search for database and transaction-log files. All editions, including Community Edition, support local, point-in-time SQL database restores. Enterprise and Enterprise *Plus* editions include agentless, transaction-log backup and replay, transaction-level recovery of databases and SQL objects (tables, stored procedures, views, etc.) back to the original or new SQL server.

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Veeam Explorer *for Microsoft SharePoint*	✓	✓	✓	✓	Get instant visibility into SharePoint backups with advanced search-and-browse capabilities for quick recovery of individual SharePoint items and entire sites. All editions, including Community Edition, support SharePoint item restore via save, send and export. Enterprise and Enterprise *Plus* editions also support entire-site restore, as well as restore to the original location.
Veeam Explorer *for Oracle*NEW			✓	✓	Restore individual Oracle databases with ease without needing an extensive Oracle background or having to search for database and transaction-log files. Enterprise and Enterprise *Plus* editions include agentless, transaction-log backup, archived log management and transaction-level recovery of databases back to the original or new Oracle Server, as well as the ability to publish and export Oracle databases. Enterprise *Plus* edition allows Oracle database administrators to leverage the Oracle Recovery Manager (RMAN) for backup and restore, while Veeam Explorer for Oracle allows non-database administrators a simple user interface for database restores in emergency situations from those RMAN backups.
Self-Service					
1-Click File and VM recovery portal for help desk operators			✓	✓	Restore guest files and VMs with a single click through a web UI.
Microsoft Exchange item recovery portal for help desk operators			✓	✓	Restore missing mailbox items back to the original mailbox with a single click through a web UI.

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Database recovery portal for Microsoft SQL DBs			✓	✓	Restore individual databases back to the original server or a new SQL server with a single click through a web UI.
Database recovery portal for Oracle DBs			✓	✓	Restore Oracle databases to the original server or a new Oracle server with single click through a web UI.
Self-service file restore portal				✓	File-restore portal with automatic VM detection and automatic delegation based on Local Administrator group membership.
Recovery delegation				✓	Enable full self-service for all web UI recovery features by delegating recoveries for individual VMs and groups of VMs to specific users or groups such as local IT staff, application owners, department members, etc.
VEEAM DATALABS					
Secure Restore	✓	✓	✓	✓	Scan and verify backups to increase security and reduce interruptions caused by viruses through real-time, optional antivirus scans; recover back to a safe, uncompromised restore point; agnostic support for Windows Defender, ESET and Symantec Protection Engine, as well as the ability to extend to other third-party antivirus tools.
SureBackup®			✓	✓	Automatically test and verify every backed-up VM for recoverability by running the VM directly from the backup file (no full VM restore is required), including support for custom application test scripts.
SureReplica[2]			✓	✓	Automatically test and verify every replica VM for recoverability, including support for custom application test scripts.

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Staged Restore			✓	✓	Streamline the removal process of sensitive data such as GDPR (right to be forgotten), with custom scripts and automation; test data in a fenced-off, production-like environment before safely and quickly restoring to production.
On-Demand Sandbox™			✓	✓	Run one or more VMs directly from a backup in an isolated environment and have the ability to troubleshoot, test and train on a working copy of the production environment, without impacting business operations.
On-Demand Sandbox for Storage Snapshots[2]				✓	Use storage snapshots to quickly create complete isolated copies of your production environment for fast and easy testing and troubleshooting.
MANAGEMENT					
Support for VMware vSphere and Microsoft Hyper-V	✓	✓	✓	✓	Support for VMware vSphere 5.x or later and Microsoft Hyper-V 2008 R2 SP1 or later. View both hypervisors from a single console.
Built-in management for Veeam Agents	✓	✓	✓	✓	Includes a single pane of glass for Availability of virtual, physical and cloud workloads, centralized backup agent deployment and Windows Server Failover Cluster support. Agent licenses are sold separately.
vSphere Web Client Plug-ins[2]		✓	✓	✓	Perform VeeamZIP™ and Quick Backup; monitor backups, easily identify unprotected VMs and simplify capacity planning — all directly from the vSphere Web Client.

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Standalone console	✓	✓	✓	✓	Install the console separately from the backup server for installation on laptops and desktops, eliminating Remote Desktop Protocol (RDP) sessions to a backup server.
Guest file system indexing	✓	✓	✓	✓	A catalog of guest files enabling effortless search of individual files to find and restore a file without knowing the precise file location, or the time when it was deleted. All editions provide a catalog of guest files in backups currently on disk. Enterprise and Enterprise *Plus* editions also provide a catalog of archived backup files, and integrate with one click to enable restores directly from search results.
vCloud Director support[2]	✓	✓	✓	✓	Back up vApp and VM metadata and attributes and restore vApps and VMs directly to vCloud with full support for fast provisioned VMs. All editions include integrated visibility of vCloud Director infrastructure, backup via VeeamZIP (including backup of vApp and VM meta data and attributes) and direct restore to vCloud. Enterprise edition supports scheduled incremental backup jobs of vCloud VMs, as well as customer portal integration via RESTful API. Enterprise *Plus* supports self-service, tenant managed backup and restore via Enterprise Manager, as well as native vCloud Director authentication.

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Veeam Backup Enterprise Manager — Centralized Management Web UI[NEW]		✓	✓	✓	Get a web-based, consolidated view of your distributed deployment in a single pane of glass, without having to login to individual backup servers, including federation of multiple backup servers, centralized reporting and consolidated alerting. Paid editions include monitoring and reporting across multiple backup servers, as well as the ability to start and stop jobs. Enterprise and Enterprise *Plus* editions also include full job management functionality and the ability to perform restores. Enterprise Manager is not supported by *Community Edition* or Veeam Backup Starter.
Role-Based Access Control (RBAC)[2]				✓	Delegate roles and privileges to users to create, restore and monitor backups; synch permissions made in third-party delegation systems to VMware vSphere permissions; leverage individual accounts or security groups to control backup storage location and quotas; allow users to securely manage backups and restores of their own VMs through the self-service backup and restore portal for VMware vSphere with role-based access delegation rules.
OTHER CAPABILITIES					
Multiple storage access options	✓	✓	✓	✓	Backup and replicate directly from SAN and NFS storage, through hypervisor I/O stack or over LAN.
Changed block tracking	✓	✓	✓	✓	Minimize backup time and allow for more frequent backup and replication. Supported on both VMware and Hyper-V.
File Manager	✓	✓	✓	✓	Integrates file management (Veeam FastSCP™) into the operator console.

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Quick Migration[2]	✓	✓	✓	✓	Migrate VMware VMs between hosts and datastores using VMware vMotion, Storage vMotion and Veeam-provided migration technology.
Task automation	✓	✓	✓	✓	All editions support PowerShell. Enterprise *Plus* edition also supports RESTful API. Service Providers using rental licenses have API access across all editions.

[1] Some file systems supported for VMware only
[2] VMware only

* Community Edition is limited to 10 licenses or less

✓ Fully supported ✓ Partially supported

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