



#1 VM Backup

Veeam Backup & Replication Enterprise and Standard Editions



Veeam Software offers 2 editions of its award-winning Veeam Backup & Replication software, so you can choose the edition that best meets your particular needs.

The chart on the next two pages details the differences between Enterprise and Standard Edition. Currently, there are differences in these areas:

- **1-Click File Restore:** Enterprise Edition includes the ability to restore Windows guest files directly to their original location (virtual machine) from search results in web-based Veeam Enterprise Manager. No in-guest agent is required, and file restores can be delegated to help desk personnel. Standard Edition does not include these capabilities.
- **Catalog of Windows guest files:** Enterprise Edition maintains a catalog (index) of Windows guest files on disk and in archived backups; Standard Edition only includes files in backups currently on disk.
- **Veeam Enterprise Manager:** Enterprise Manager provides consolidated reporting and notification across backup servers, as well as a web interface for monitoring and restarting jobs. With Enterprise Edition, you also get the ability to clone and edit jobs through Enterprise Manager.
- **vPower*:** This breakthrough technology lets you run a virtual machine (VM) directly from a compressed and deduplicated backup file. With Enterprise Edition, you can run the VM in production or in an isolated test environment that vPower™ automatically creates and maintains for you. With Standard Edition, the VM runs in your production environment or in a test environment that you set up and maintain. This results in several differences between Enterprise and Standard Edition in terms of capabilities enabled by vPower:
 - **U-AIR (Universal Application-Item Recovery)*:** Enterprise Edition includes U-AIR™; Standard Edition does not. U-AIR is the ability to restore individual application objects, such as email messages, directory objects or database records, from a regular image-level backup. To the extent this capability is available in the market today (some vendors offer very restrictive and limited implementations), it is considered a “premium” capability and carries an additional cost. Veeam is excited to be able to offer a much more flexible and robust implementation that brings greater value to customers.
 - **SureBackup*:** Enterprise Edition offers automated and advanced recovery verification, including support for application test scripts and bulk VM testing. Standard Edition provides basic recovery verification that involves starting a VM from a backup file and manually testing it.
 - **On-Demand Sandbox*:** Enterprise Edition includes the ability to run one or more VMs from backup in an isolated environment, providing a working copy of the production environment for troubleshooting, testing, training, etc. Standard Edition does not include this capability.

* Currently available for VMware only

Upgrading to Enterprise Edition

Customers using Standard Edition who wish to move to Enterprise Edition can do so by paying an upgrade fee. The fee is the difference in price between Standard and Enterprise Edition. All licenses in a given deployment must be upgraded.

To learn more, visit: www.veeam.com

Feature	Standard	Enterprise	Notes
Data Protection Modes			
Backup			
Replication			2-in-1: backup and replication for one price, in one cohesive solution; includes replica rollback
Hot VM copy			Facilitates ad hoc backups and migrations of VMware VMs
FastSCP™			Integrates Veeam FastSCP™, the #1 file management tool for VMware administrators, into the operator console
Architecture			
Changed block tracking			Lightning-fast incremental backups to minimize backup time and allow for more frequent backup and replication
Multiple backup options			Back up directly from SAN, over LAN*, or from hypervisor I/O stack
Advanced VSS integration and application awareness			
Web UI			In addition to the Windows-based backup console, also includes Enterprise Manager, a web-based console that provides a consolidated view of your distributed deployment; includes federation of multiple backup servers, centralized reporting and consolidated alerting; Enterprise Edition also allows cloning and editing of jobs
Synthetic full backup			Eliminates the need for periodic full backups (provides “forever incremental” backup), thus saving time and space
Built-in deduplication			10x space savings on backup storage
Near-CDP			Near-continuous data protection at a fraction of the cost of traditional CDP
vStorage APIs for Data Protection (VADP)			Highly efficient and “future-proof” solution that uses VADP to protect VMware VMs
Instant File-Level Recovery			
1-Click File Restore			Allows help desk administrators to perform file restores through the Enterprise Manager web UI
Catalog of Windows guest files			Creates a catalog (index) of all Windows guest files that have been backed up
Search across backups	Current backups	All backups (current and archived)	Quickly search for Windows guest files across backups
Wizard-driven recovery			Includes wizards for instant file-level recovery from 15 commonly used Windows, Linux*, Unix*, Solaris* and BSD* file systems.
Support for any file system*			Provides instant file-level recovery for VMs for any file system, using existing file management tools
Instant VM Recovery*			
Temporary spare*			Quickly restore service to users by restarting a failed VM directly from a backup file on regular backup storage
Full restore with zero downtime*			Complete the recovery with no disruption to users by migrating the VM from backup to production storage using Storage vMotion
Full restore during maintenance window*			Complete the recovery with minimal downtime by migrating the VM from backup to production storage using Veeam Quick Migration

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(continued)

Feature	Standard	Enterprise	Notes
Application-Item Recovery*			
U-AIR (Universal Application-Item Recovery)*			Object-level recovery for any application, on any OS, using existing application management tools
User-directed recovery *			Available for any application with a web front-end, such as Microsoft SharePoint and Salesforce
Microsoft Exchange*			Includes a wizard that Exchange administrators can use to recover individual objects (such as emails and contacts)
Microsoft Active Directory*			Includes a wizard that Active Directory administrators can use to recover individual objects (such as users and groups) and their attributes
Microsoft SQL Server*			Includes a wizard that SQL Server administrators can use to recover individual objects (such as tables and records)
SureBackup*			
Recovery verification*	Manual	Automated	Verify the recoverability of backups
On-Demand Sandbox*			
Working copy of production environment*			Create a working copy of the production environment from any point in time for troubleshooting, testing, training, etc. by running one or more VMs from backup in an isolated environment—without additional storage and without modifying the backup

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