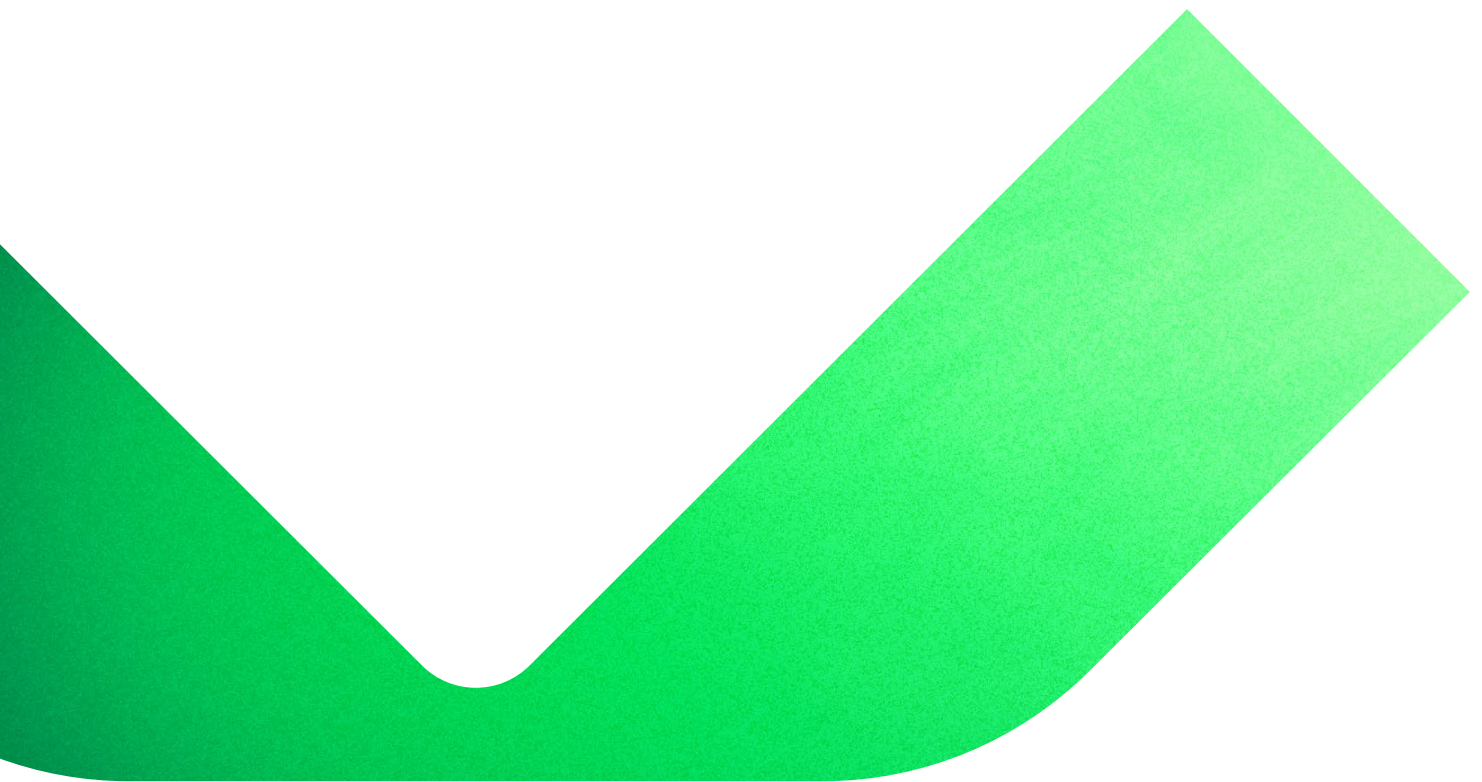# Veeam Agent *for* Microsoft Windows v6.1

What's New

Added in v6.1

Security

Malware detection — when backing up to a Veeam repository, standalone and self-managing agents include the suspicious file system activity detection functionality explained at the beginning of this document (Managed by Server agent-based backup jobs provide full malware detection capabilities).

Backup storage

Scale-out backup repositories from object storage support — starting from this version, standalone agent can store its backup in a scale-out repository with Performance Tier backed by a single object storage extent.

Backup mapping support for object storage repositories — standalone agents now support mapping of the existing backups stored in an object storage repository to a new backup job.

Platform support

Microsoft Windows 11 23H2 support — added full support for the latest version (23H2) of Microsoft Windows 11 operating system. This includes support for recovery media creation and correct operating system version detection.

Added in v6.0

General

Lower resource usage with SQLite — V6 now uses SQLite instead of Microsoft SQL Server LocalDB for its configuration database. This significantly reduces resource consumption, dramatically lowers agent redistributable size and helps you avoid possible conflicts with your existing SQL Server installations. When upgrading to V6, your existing configurations will automatically be migrated into a newly provisioned SQLite instance. The LocalDB can then be uninstalled manually if desired.

Kerberos-only authentication — V6 can now be deployed in environments with NTLM authentication disabled for enhanced security. Kerberos-only authentication is supported out of the box as long as all the backup infrastructure components are using valid and resolvable DNS names (IP addresses are not supported by Kerberos).

IPv6 support — Added support for IPv6 communication in both IPv6-only and dual-stack networks where the agent gives preference to IPv6 over IPv4 addresses when both are available. This flexibility allows you to set up your backup infrastructure in an IPv6-only network right away or gradually migrate to IPv6 by running it alongside your IPv4 infrastructure.

OAuth 2.0 support for email notifications — In addition to basic SMTP authentication, v6 now supports secure authorization and token-based authentication for Google Gmail and Microsoft 365 with the modern OAuth 2.0 protocol.

Backup engine

Changed Block Tracking (CBT) for Microsoft Windows workstations: In addition to Microsoft Windows servers, Veeam's® CBT driver can now be installed on workstations that run Windows 10 or Windows 11 operating systems when faster incremental backup is desired.

File-level backup enhancements — In addition to image-level backups, V6 is now able to leverage a CBT driver for file-level backups as well. Depending on the workload that runs on the protected machine, like when there are many large files that are constantly changing, the usage of a CBT driver can help you significantly accelerate incremental backup performance and reduce incremental backup size. Files smaller than 50MB are not tracked by the CBT driver to balance resource consumption during backup with achieved benefits.

Improved VPN connection detection — V6 adds support for detecting Palo Alto VPN connections for VPN-based backup restriction functionality.

Increased tolerance to Microsoft VSS issues — The backup job will no longer give up immediately in the case of a Microsoft VSS snapshot creation issue and will instead attempt to retry the snapshot creation operation a few times before failing. This should increase backup success rate for heavy-loaded application servers.

Backup storage

Direct backup to object storage — Take full advantage of the unlimited scalability, built-in reliability and resiliency of on-premises and cloud object storage without having to sacrifice backup and restore performance. Back up directly to cloud or on-premises object storage or select an object-storage-based Veeam repository. Whenever this kind of repository is managed by a Veeam Backup & Replication™ server or Veeam Cloud Connect server, it also offers secure multi-tenant access to backups without the need to distribute individual access keys to all your agents or configure each agent to use a dedicated bucket.

Immutable backups — Ensure that your backups can always be restored after a cyberattack with comprehensive enterprise-grade immutability options that are provided by S3-compatible object storage, Amazon S3 and Microsoft Azure Blob storage and any S3 Compatible object storage that has Object Lock support. You can also now use immutable backups with a Veeam Hardened Repository and HPE StoreOnce repository that's managed by a Veeam Backup & Replication server.

Health check light — When backing up directly to an object storage repository as a target, storage-level data corruption guard scans will only check if all your required objects exist. This provides some balance considering the performance implications and cloud egress costs of full content verification.

Restore

Recovery tokens — V6 adds support for a simpler way to provide users who are performing Bare Metal Recovery with access to a particular backup that's stored in a Veeam repository. Veeam Backup & Replication v12 administrators are now able to generate time-limited access keys or recovery tokens to be shared with users and enable them to connect to a Veeam repository when performing Bare Metal Recovery.

User interface

Increased GFS restore point limit — You can now create weekly GFS retention policies of up to 9999 weeks long. Surprisingly, the previous UI limit of 999 weeks was not enough for some customers who face certain compliance requirements!

Platform support

Windows 10 22H2 and Windows 11 22H2 support — V6 adds full support for the latest version (22H2) of both Microsoft Windows 10 and Windows 11 operating systems. This includes support for recovery media creation and correct operating system version detection and handling in the UI.

Microsoft SQL Server 2022 support — V6 adds support for application-aware processing and transaction log backups for SQL Server 2022.

Microsoft SharePoint Server Subscription Edition support — V6 adds support for application-aware processing of the latest SharePoint Server version.