


#1 VM Backup

Veeam Backup & Replication

Complete data protection for Hyper-V

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Veeam Backup & Replication is the leader in VM data protection with more than 25,000 customers worldwide. And with new support for Microsoft Hyper-V, that number will continue to grow even faster.

Virtualization brings new opportunities and new challenges for data protection. Unlike tools designed for the physical world, Veeam Backup & Replication was built from the ground up specifically for virtualization. It doesn't just tolerate the virtual environment—it embraces it to deliver Virtualization-Powered Data Protection™.

In doing so, Veeam redefines what you should expect from backup... and what you should expect to pay for it.

Veeam Backup & Replication is a storage agnostic, disk-based backup solution that—together with virtualization—revolutionizes data protection!


Microsoft Partner

 Gold Virtualization
 Gold Systems Management

Veeam is a Microsoft managed partner, with competencies in both Virtualization and Systems Management.

Microsoft Hyper-V has come a long way. However, data protection for Hyper-V has not. As a result, many organizations have been holding back, waiting to expand—or even begin—their virtualization initiatives until a suitable backup solution is available. Now the wait is over.

Introducing Veeam Backup & Replication for Hyper-V

With new support for Hyper-V, Veeam Backup & Replication™ v6 provides what's been missing from Hyper-V backup:

Speed: Veeam speeds backup *and* recovery. Back up 20x faster, and recover an entire VM or an individual file in a matter of minutes. You no longer have to pick and choose which VMs to back up every day, or worry that backups won't finish in the available window. And when things go wrong and something needs to be recovered, you can quickly “save the day!” for distressed users.

Efficiency: With “forever incremental” backups and built-in deduplication and compression, Veeam minimizes network traffic and storage consumption. And by offloading backup processing from hosts and VMs, Veeam minimizes the impact of backup operations on production resources. You get more restore points with less overhead.

Value: Tired of spending so much time, effort and money on backup, and getting so little? Veeam offers a new paradigm for data protection that leverages the disruptive power of virtualization. Free yourself from the high cost and headaches of traditional backup, and provide near-continuous data protection (near-CDP) for any application.

The capabilities that matter most

Now in its sixth major release, Veeam Backup & Replication provides the most robust solution for VM data protection. Capabilities of particular interest to Hyper-V administrators include:

- **2-in-1:** backup and replication in a single solution
- **Changed block tracking:** 20x faster backup, plus near-continuous data protection
- **Built-in deduplication and compression:** 75% reduction in backup size

The bottom line

With Veeam, you can achieve your most important goals:

- **Reduce costs** with simple per socket licensing and low TCO (total cost of ownership). And because Veeam Backup & Replication is storage agnostic, you can use any mix of production and backup storage in your primary and offsite locations.
- **Achieve recovery objectives** (RTOs and RPOs).
- **Maximize virtualization outcomes**, including server consolidation ratios, availability and agility.

To learn more, visit: www.veeam.com

Supported Environments

Hosts:

- Windows Server Hyper-V 2008 R2 (including core installation)
- Microsoft Hyper-V Server 2008 R2 (free version of Hyper-V)

Software:

- Microsoft System Center Virtual Machine Manager 2008 R2 (optional)

Virtual Machines:

- All operating systems supported by Microsoft Hyper-V

Multi-Hypervisor Support

Veeam Backup & Replication also supports VMware vSphere. With Veeam, you can protect all your VMs—Hyper-V and VMware—from the same console, using the same data protection infrastructure. You can even swap Veeam licenses between hypervisors at no charge—it's investment protection for your data protection that's only available from Veeam.

Licensing

Veeam Backup & Replication is licensed per CPU socket on the hosts with VMs to be protected by Veeam. There are no per-VM fees and no agents, media servers, management servers or other components to license.

Editions

Veeam Backup & Replication comes in two editions: Enterprise and Standard. Enterprise includes all the functionality in Standard plus:

- 1-Click File Restore
- Full catalog of Windows guest files (including archived backups)
- Full Veeam Enterprise Manager (including ability to clone and edit jobs)
- Full Veeam vPower™ capabilities (currently available for VMware, coming soon to Hyper-V)

2-in-1: backup and replication

Veeam combines image-based backup and replication in one comprehensive solution. It leverages the opportunity that virtualization provides to replicate VMs to an inexpensive standby host, without special storage or knowledge of application internals required. With virtualization and Veeam, you can provide near-continuous data protection (near-CDP) for any application at a fraction of the cost of traditional CDP.



Changed block tracking

This exclusive Veeam technology speeds incremental backups by 20x. Veeam changed block tracking maintains a list of blocks in the virtual hard disk that have been modified. When it's time to back up or replicate the VM, Veeam Backup & Replication simply refers to this list—it doesn't need to perform a scan-and-compare of the entire VHD. Not only can you back up faster and more frequently, but you can also replicate as often as every 5 minutes.

Built-in deduplication and compression

VM backups must contend with a lot of data: not only are applications producing more data, but each VM itself is a large file that must be protected. That's why Veeam includes deduplication and compression in Veeam Backup & Replication. Together, deduplication and compression reduce network traffic and storage requirements up to 75% or more.



Forever incremental

To further reduce overhead, Veeam offers synthetic full backups. Instead of periodically taking a full backup—which might not be practical or even possible with very large VMs—you can maintain a synthetic backup using fast, efficient incremental backups. Veeam maximizes the storage savings by requiring only 1 synthetic full backup on disk at any given time.

Agentless

With Veeam Backup & Replication, there are no agents for you to license, deploy, maintain or monitor. Veeam eliminates data mover agents inside VMs, which streamlines deployment and maintenance of VMs and removes the burden of backup processing from them, so you can run more VMs per host and back up anytime without impacting users.

Instant File-Level Recovery

With Veeam Instant File-Level Recovery (IFLR), you can restore Windows guest files directly from an image-level backup—no staging, agents or special backups are required. You can optionally create a catalog of guest files to help you quickly find the files you need (and document compliance with backup policies). And with 1-Click File Restore, you can delegate file restores to help desk personnel—it's easy and secure, thanks to Veeam's innovative design, which eliminates the need for agents, permissions and direct connections to hosts, VMs, backup files and restored guest files.



To learn more, visit: www.veeam.com

