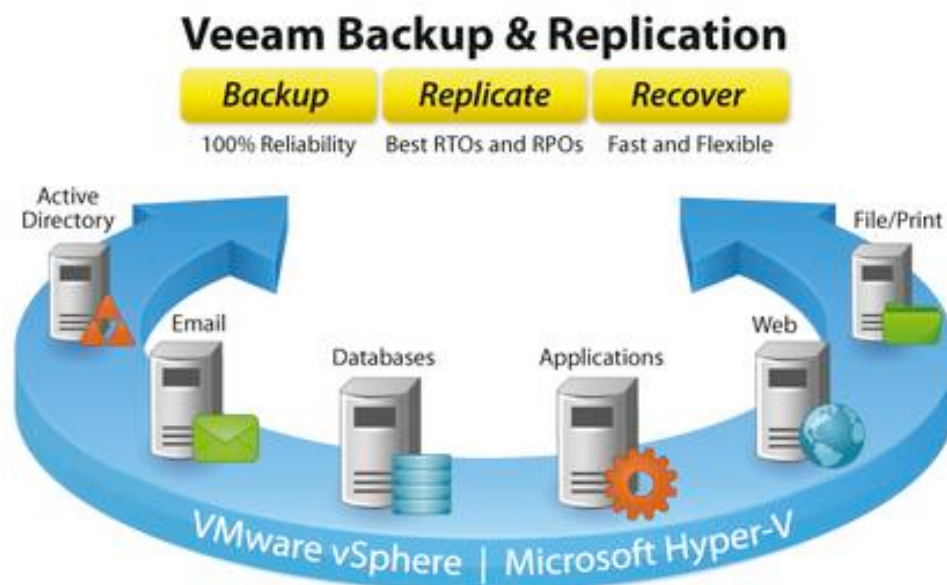


# Veeam Backup & Replication



Год/Дата Выпуска:

31.10.2012

Версия: 6.5

Разработчик: Veeam Software

Сайт разработчика: <http://www.veeam.com>

Разрядность: 32bit+64bit

Язык интерфейса: Английский

Таблетка: Присутствует

Описание:

Разработанное непосредственно для виртуальной среды, решение Veeam® Backup & Replication™ обеспечивает эффективное, простое и доступное восстановление приложений и данных виртуальных машин.

Это лучшее решение для резервного копирования виртуальных машин на платформах VMware vSphere и Microsoft Hyper-V.

Системные требования:

VMware Infrastructure

Platforms

- vSphere 5.x
- vSphere 4.x
- Infrastructure 3.5 (VI3.5)

Hosts

- ESX(i) 5.x
- ESX(i) 4.x
- ESX(i) 3.5

Software

- vCenter Server 5.x (optional)
- vCenter Server 4.x (optional)
- Virtual Center 2.5 (optional)

VMware Virtual Machines

Virtual Hardware

- Virtual machines with disks engaged in SCSI bus sharing are not supported, because VMware does not support snapshotting such VMs.
- RDM virtual disks in physical mode, Independent disks and disks connected via in-guest iSCSI initiator are not supported and are skipped from processing automatically.

OS

- All operating systems supported by VMware are supported.
- Application-aware processing is supported for Microsoft Windows XP (32bit only), Microsoft Windows 2003, Microsoft Windows 2003 R2, Microsoft Windows Vista, Microsoft Windows 2008, Microsoft Windows 2008 R2, Microsoft Windows 7, Microsoft Windows 2012, Microsoft Windows 8.
- File level restore supports Microsoft Windows file systems only (FAT, NTFS and ReFS).
- Multi-OS file level restore wizard in addition supports the following file systems:

OS Supported File Systems

Linux ext, ext2, ext3, ext4, ReiserFS, JFS, XFS

Unix JFS, XFS, UFS

Solaris ZFS (up to pool version 23)

BSD UFS, UFS2

Mac HFS, HFS+

• Multi-OS file level restore supports Linux LVM (Logical Volume Manager) and Microsoft Windows LDM (Logical Disk Manager) dynamic disks.

Software

- VMware Tools (optional)

Microsoft Infrastructure

Platforms

- Windows Server 2012
- Windows Server 2008 R2 SP1

Hosts

- Windows Server Hyper-V 2012
- Microsoft Hyper-V Server 2012 (free hypervisor)
- Windows Server Hyper-V 2008 R2 SP1
- Microsoft Hyper-V Server 2008 R2 SP1 (free hypervisor)

Software

- Microsoft System Center Virtual Machine Manager 2012 (optional)
- Microsoft System Center Virtual Machine Manager 2008 R2 SP1 (optional)

Hyper-V Virtual Machines

Virtual Hardware

- All virtual hardware is supported.
- Pass-through virtual disks and disks connected via in-guest iSCSI initiator are not supported and skipped from processing automatically.

OS

- All operating systems supported by Hyper-V are supported.
- Application-aware processing is supported for Microsoft Windows XP (32bit only), Microsoft Windows 2003, Microsoft Windows 2003 R2, Microsoft Windows Vista, Microsoft Windows 2008, Microsoft Windows 2008 R2, Microsoft Windows 7, Microsoft Windows 2012, Microsoft Windows 8.
- File level restore supports Microsoft Windows file systems only (FAT, NTFS and ReFS).

Software

- Hyper-V integration components (optional)

Veeam Backup & Replication Server

Hardware

CPU: any x86/x64 processor.

Memory: 4 GB RAM.

Hard Disk Space: 2 GB for product installation. 10 GB per 100 VM for guest file system catalog folder (persistent data).

Sufficient free disk space for Instant VM Recovery cache folder (non-persistent data, at least 10 GB recommended).

Network: 1 Gbps LAN for on-site backup and replication, 1 Mbps or faster WAN for off-site backup and replication. High latency links are supported, but TCP/IP connection must not drop.

OS

Both 32-bit and 64-bit versions of the following operating systems are supported:

- Microsoft Windows XP SP3
- Microsoft Windows Server 2003 SP2
- Microsoft Windows Vista SP2
- Microsoft Windows Server 2008 SP2
- Microsoft Windows Server 2008 R2 SP1
- Microsoft Windows 7 SP1
- Microsoft Windows Server 2012
- Microsoft Windows 8

Software

- Internet Explorer 7.0 or later
- Microsoft SQL Server 2005/2008/2012 (SQL 2008 R2 SP1 Express is included in the setup)
- System Center Virtual Machine Manager 2012 Admin UI (optional, to be able to register SCVMM 2012 servers with Veeam Backup & Replication infrastructure)
- System Center Virtual Machine Manager 2008 R2 Admin UI (optional, to be able to register SCVMM 2008 servers with Veeam Backup & Replication infrastructure)
- Microsoft .NET Framework 4.0 (included in the setup)
- Windows Installer 4.5 (included in the setup)
- Microsoft PowerShell 2.0 or later (optional)

Backup Proxy Server

Hardware

CPU: modern x86/x64 processor (minimum 2 cores). Using faster multi-core processors improves data processing performance, and allows for more concurrent jobs.

Memory: 2 GB RAM per concurrent job. Using faster memory (DDR3) improves data processing performance.

Hard Disk Space: 300 MB.

Network: 1 Gbps LAN for on-site backup and replication, 1 Mbps or faster WAN for off-site backup and replication. High latency links are supported, but TCP/IP connection must not drop.

OS

For VMware backup proxy server, both 32-bit and 64-bit versions of the following operating systems are supported:

- Microsoft Windows XP SP3
- Microsoft Windows Server 2003 SP2
- Microsoft Windows Vista SP2
- Microsoft Windows Server 2008 SP2
- Microsoft Windows Server 2008 R2 SP1
- Microsoft Windows 7 SP1
- Microsoft Windows Server 2012
- Microsoft Windows 8

For Hyper-V off-host backup proxy server, only the following operating system is supported:

- Microsoft Windows Server 2008 R2 SP1 with Hyper-V role enabled
- Microsoft Windows Server 2012 with Hyper-V role enabled

Backup Repository Server

Hardware

CPU: any x86/x64 processor.

Memory: 2 GB RAM per concurrent job.

Network: 1 Gbps LAN for on-site backup and replication, 1 Mbps or faster WAN for off-site backup and replication.

Unreliable, high latency links with packet loss are supported, but TCP/IP connection must not drop completely.

OS

Both 32-bit and 64-bit versions of the following operating systems are supported:

- Linux (SSH and Perl required)
- Microsoft Windows XP SP3
- Microsoft Windows Server 2003 SP2
- Microsoft Windows Vista SP2
- Microsoft Windows Server 2008 SP2
- Microsoft Windows Server 2008 R2 SP1
- Microsoft Windows 7 SP1
- Microsoft Windows Server 2012
- Microsoft Windows 8

Veeam Backup & Replication Enterprise Manager

Hardware

Processor: x86/x64 processor.

Memory: 2 GB RAM.

Hard Disk Space: 2 GB for product installation plus sufficient disk space to store guest file system catalog from connected backup servers (according to data retention policy).

Network: 1Mbps or faster connection to Veeam Backup & Replication servers.

OS

Both 32-bit and 64-bit versions of the following operating systems are supported:

- Microsoft Windows XP SP3
- Microsoft Windows 2003 SP2
- Microsoft Windows Vista SP2
- Microsoft Windows 2008 SP2
- Microsoft Windows 2008 R2 SP1
- Microsoft Windows 7 SP1
- Microsoft Windows Server 2012
- Microsoft Windows 8

Server Software

- Microsoft Internet Information Services 5.1 or later
- Microsoft SQL Server 2005/2008/2012(SQL 2008 R2 SP1 Express included in the setup)
- Microsoft .NET Framework 4.0 (included in the setup)
- Windows Installer 4.5 (included in the setup)

Client Software

- Microsoft Internet Explorer 7.0 or later, or Mozilla Firefox 10.0 or later.
- Microsoft Excel 2003 or later (to view Excel reports).

Veeam Backup Search Server

Hardware

Refer to Microsoft Search Server system requirements.

OS

Refer to Microsoft Search Server system requirements.

Software

- Microsoft Search Server 2008 (including Express Edition).
- Microsoft Search Server 2010 (including Express Edition).

#### Backup Target

Backup can be performed to the following storage targets:

- Local (internal) disk storage of the backup repository server.
- Direct Attached Storage (DAS) connected to the backup repository server, including external USB/eSATA drives and raw device mapping (RDM) volumes.
- Storage Area Network (SAN). Backup repository server must be connected into the SAN fabric via hardware HBA or software iSCSI initiator, and the corresponding volumes must be seen in the Microsoft Windows Disk Management snap-in.
- Network Attached Storage (NAS) able to represent itself as CIFS (SMB) share (direct operation), or NFS share (must be mounted on a Linux backup repository server).

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#### Что нового в версии 6.5

[Тыц](#)

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#### Бонусы

Application Item Restore Wizards (VMware only):

- Universal Recovery
- Microsoft Active Directory
- Microsoft Exchange
- Microsoft SQL Server

#### Обновление 29.04.2013

Patch 3 Release Notes for Veeam Backup & Replication 6.5

KB ID: 1751

Product: Veeam Backup & Replication

Version: 6.5.0.128

Published: 2013-04-29

Created: 2013-04-29

Last Modified: 2013-04-29

**Problem:** These are the issues resolved by the Patch 3 for Veeam Backup version 6.5.0.106 / 6.5.0.109 / 6.5.0.128. This patch is cumulative and contains fixes from Patch 1.

**Cause:** Please confirm you are running version 6.5.0.106/6.5.0.109/6.5.0.128 prior to applying this patch. You can check this under Help | About in Veeam Backup & Replication console. After upgrading, your build will be version 6.5.0.144.

**Solution:**

Resolved Issues

General

- Application-aware image processing may cause Windows Server 2012 Domain Controller to stop booting if virtual machine is configured to use EFI.
- File level recovery process hangs on dynamic disks with partitions size being multiple of 4GB.
- Re-IP fails for replicas if host where replica VM was originally created is deleted from the cluster.
- Disabled ability to move folders in the Files tree with Shift + drag and drop operation because this functionality was not implemented and may result in data loss if the move process is cancelled.

VMware

- Adding virtual disks that were originally excluded back to the job results in wrong change ID used during the first incremental backup.
- Upgrading vCenter or ESX(i) hosts may result in duplicate hosts appearing under Managed Servers, causing jobs to fail with object not found errors.
- VM Copy job always logs the following warning when the target is another VMFS datastore: "Could not perform threshold check for backup location."
- Deleting temporary VM snapshot manually instead of letting the job delete it results in vCenter connection duplication. As the result, vCenter Server may stop responding due to too many connections already opened with the following error: 503 Service Unavailable
- Under certain circumstances, additional registry processing required for SureBackup jobs and re-IP addressing may cause registry corruption with VM failing to boot with the following error: "System hive error" or "Windows could not start because the following file is missing or corrupt: \WINDOWS\SYSTEM32\CONFIG\SYSTEM"
- If vCenter Server is registered with Backup Infrastructure twice (as vCenter Server, and as a Windows server), replica seeding and backup mapping fails with the following error: "Cannot find VM in the backup file specified for seeding."
- Improved performance of enumerating infrastructure objects in large vSphere deployments.

Hyper-V

- Changed block tracking (CBT) driver does not monitor newly appearing virtual disks on volumes that were in redirected access mode at the time when CBT driver starts. This results in full scan incremental runs for the affected virtual disks with the following warning: "Failed to flush change tracking data before snapshot."
- Adding virtual disk files located on volumes mounted into the folder under changed block tracking fails with the following error: "The device object parameter is either not a valid device object or is not attached to the volume specified by the file"

name."

- Instant VM Recovery fails if virtual disk files are located on a mount point.
- Copying very large files from Windows Server 2012 CSV volume may consume lots of host memory.
- Under rare circumstances, backup file update may fail with the following error: "Failed to store all blob data at the metastore."

Veeam Explorer for Exchange

- Exporting a very large amount of individual items may use up all available system memory.
- Opening certain mailbox databases may fail with the "Jet error -1206" error when Veeam Backup & Replication is installed on Windows 8 or Windows Server 2012.

PowerShell

- Start-VBRInstantVMRecovery cmdlet fails with the following error: "Cannot complete login due to an incorrect user name or password."