

# What's New in Veeam Backup & Replication 3.0

Veeam Backup & Replication 3.0 is a major update to Veeam's leading-edge disaster recovery solution for VMware Infrastructure that combines backup and replication in a single product.

As a result of ongoing research and development efforts, and in response to customer feedback, version 3.0 includes a markedly expanded range of features and enhancements, most not available from any other vendor. Improvements in version 3.0 have been made in the following areas:

## Support for ESXi

Last summer Veeam was the first to introduce ESXi backup through VMware Consolidated Backup (VCB) framework. Now, Veeam Backup & Replication 3.0 is the only VMware backup solution to offer ESXi backup without VCB. This makes Veeam Backup and Replication the ideal solution for mixed environments where ESX and ESXi are in use - only Veeam Backup & Replication can back up and recover them all.

## Linux File-Level Recovery

Another industry first: only Veeam Backup & Replication now offers fast file-level recovery for Linux guests. You can restore individual files from image-level backups of virtual machines running Linux, Unix, BSD, Mac and other operating systems in addition to Windows file-level restore available since version 1.0.

## Windows 2008 VSS Support

Veeam Backup & Replication 3.0 is currently the only VMware backup solution that provides application-level quiescing for Windows 2008 guests to ensure consistent backups and replicas of the applications running within your Windows 2008 virtual machines. Both 32-bit and 64-bit guest OS and applications are fully supported. And Veeam Backup & Replication is still the only solution on the market to provide complete VSS support by implementing the custom shadow copy restore logic required for certain applications by Microsoft to ensure successful application recovery. To learn more, refer to the following white paper: [VMware and VSS: Application Backup and Recovery](#).

## VM Templates Backup

Leave no data behind with the new templates backup functionality. Now virtual machine templates are protected along with regular virtual machines and can be easily restored in case of a disaster.

## New in version 3.1

Support for:

- VMware vSphere 4
- Microsoft Windows 2008
- 64-bit operating systems

## Improved Performance

Backup performance has been further improved with network traffic compression and an enhanced compression engine.

## Other Enhancements

Numerous additional enhancements requested by our customers are also included to make Veeam Backup & Replication even easier and more convenient to use:

- **Automatic and manual retry of failed jobs.** During the retry cycle, only VMs failed during the main backup cycle are processed. In case of agentless network backup retry, alternate data access mechanism featuring granular block-level retry is leveraged, allowing you to perform network backup over unreliable network connections.
- **Disk exclusion.** You can exclude certain VM disks from being processed with the backup. This functionality may be useful if you are performing an application's backup using legacy agents, and thus only want to perform VM's system drive backup, or in similar scenarios.
- **New scheduling engine.** Built-in job scheduling and its user interface have been re-worked to better suit most common backup and replication scheduling use cases received from our customers.
- **Better restore progress indication.** Restore operations progress is now shown in a separate window that lists current operation, performance statistics and estimated time remaining.
- **Remote SQL support.** Veeam Backup & Replication configuration can now be stored on a remote Microsoft SQL Server database to better protect your Veeam Backup & Replication deployment from disasters.
- **Restore VM files.** The ability to restore VM files (VMDK, VMX) to a custom location has been added to allow restoring specific files only as opposed to the full VM.
- **Backup results.** Veeam Backup & Replication can optionally update backup information in VM's Notes attribute upon successful backup. Information includes backup date and time, backup console name, and path to the backup file containing the specific VM.

All of the above features show why Veeam is #1 in customer satisfaction, innovation and value.

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