

Whitewater Cloud Storage Gateways with Veeam Backup & Replication v5

Cloud storage for virtual machine data protection

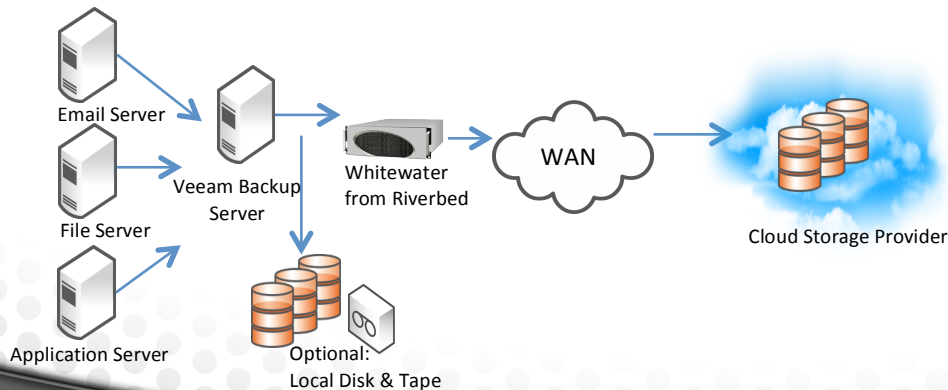
The exponential growth of server virtualization, demanding service level agreements, and flat IT budgets present serious data protection challenges for today's IT professionals. Traditional backup applications and tape technologies have served organizations well in the past for physical machines, but virtualized environments require a different approach to address the complexity inherent in these environments.

Many enterprises are turning to specialized data protection applications such as Veeam Backup and Replication to better protect virtualized environments, but even with these innovative solutions, many organizations continue to struggle with the costs and challenges of tape technology and off-site tape vaulting. Cloud storage has become a popular solution to address these issues and provides an elastic, pay-as-you-go storage pool that significantly reduces costs and improves disaster recovery capabilities. Riverbed® Whitewater® cloud storage gateways and Veeam Backup and Replication combine to unlock the benefits of cloud storage for the protection of VMs.

Riverbed Whitewater cloud storage gateways

Riverbed Whitewater cloud storage gateways allow organizations to eliminate tape, streamline administration, reduce costs, and improve disaster recovery readiness by leveraging the scalability, flexibility, and pay-for-use pricing of cloud storage.

Whitewater gateways secure, optimize, and accelerate the backup and recovery of VMDK files to the cloud without changes to the existing infrastructure. With Whitewater, Veeam customers can leverage cloud storage services from Amazon S3, AT&T Synaptic Storage as a Service, EMC Atmos, Microsoft Windows Azure, Nirvanix Cloud Storage Network, Rackspace Cloud Files, or OpenStack (Swift) object storage for off-site storage of backup data and thereby enjoy the benefits of simple configuration, faster data transfers, and built-in security.



A Joint Solution by Riverbed and



BENEFITS

Key benefits of Whitewater with Veeam Backup & Replication v5:

- Quickly protect virtual machines, eliminate tape, improve disaster recovery capabilities, and reduce storage and administration costs.
- Veeam Backup & Replication makes it easy to recover an entire VM or individual object from any application or file system—all from the same image-level backup.
- Whitewater deduplicates across all Veeam backup jobs to shrink data sizes up to 30 times, creating substantial cloud storage cost savings.
- Dual-level encryption ensures that all data is protected end-to-end. Whitewater gateways protect data during transmission with SSL v3, as well as at rest using 256-bit AES encryption.
- Easy integration into existing Veeam infrastructures without changes to the existing infrastructure, policies, or schedules.



Leveraging Riverbed's industry-leading deduplication, compression, and optimization technologies, Whitewater gateways shrink data set sizes by 10 to 30 times, substantially reducing cloud storage costs and accelerating data transfers. This massive reduction in data sets allows a single gateway to replace over a 1 petabyte of data stored on tape.

Whitewater safeguards data during transmission and at rest using secure socket layer V3 (SSLv3) technology and strong AES 256-bit encryption. This dual layer of security makes sure that sensitive data is protected end-to-end.

Disaster recovery capability is greatly improved by secure off-site copies of VMs stored in the public cloud. By leveraging the pay-for-use pricing model of the public cloud, redundant hardware, power, cooling, and hosting costs are a thing of the past. VMs stored in the cloud are available anywhere with an Internet connection to provide fast recovery should the unexpected occur.

Whitewater gateways with Veeam Backup and Replication can significantly improve recovery point (RPO) and recovery time objectives (RTO) with Whitewater's intelligent local cache, LAN-speed file access, and WAN optimized real-time replication for cloud storage.

Veeam Backup and Replication v5

Veeam Backup & Replication is built specifically for VMware vSphere to provide fast backup and recovery for ESX(i) virtual machines. Veeam Backup & Replication enables recovery of an entire VM, or an individual object, from any application or file system—all from the same image-level backup. There are no agents to manage, no need to babysit backup jobs, and the recoverability of every backup can be verified. Individual objects can be recovered from any virtualized application, on any OS, by running the application from a backup in an isolated environment. This delivers a brand-new solution to the age-old problem of what to do when users accidentally delete important emails, or when scripts incorrectly update records.

With Veeam's Instant File-level recovery, an individual file from a regular, image-level backup can be quickly recovered. Individual files can be restored in seconds from a backup or from a replica to the latest state, or any point in time. This Instant File-level recovery capability is available for any virtualized file system.

Veeam Backup and Replication also automatically verifies the recoverability of every backup, of every virtual machine, every time. Veeam Backup & Replication automates the recovery verification process, using available resources in the existing production or test environment. It creates a VM in an isolated environment and runs it directly from the backup file, starts the VM, boots the OS, and confirms that everything is running normally, thereby providing peace of mind that all virtual machines are fully recoverable.

About Riverbed

Riverbed delivers performance for the globally connected enterprise. With Riverbed, enterprises can successfully and intelligently implement strategic initiatives such as virtualization, consolidation, cloud computing, and disaster recovery without fear of compromising performance. By giving enterprises the platform they need to understand, optimize and consolidate their IT, Riverbed helps enterprises to build a fast, fluid and dynamic IT architecture that aligns with the business needs of the organization. Additional information about Riverbed (NASDAQ: RVBD) is available at www.riverbed.com.



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