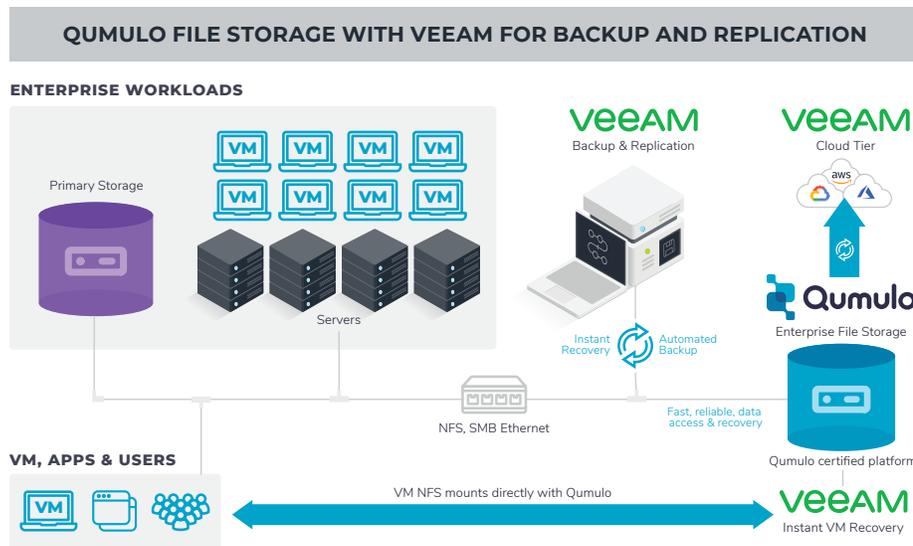# Performance Backup and Recovery for ALL Types of Workloads

Backup and recovery is a critical part of business continuity. Businesses today, cannot afford downtime. Therefore, it is paramount to employ modern solutions that support today's variety of technologies, to protect your data and information from data loss, cyber attacks, theft, or environmental disasters, and that deliver the confidence of knowing that your organization can rapidly recover and maintain business as usual.

With Qumulo enterprise-proven hybrid cloud file storage serving as the storage target for Veeam® Backup & Replication™ technology, this solution provides a modern, fully-integrated approach for data protection of all virtual, physical and cloud-based workloads. Together Qumulo file storage and Veeam provide not only extremely fast, reliable backup; but also advanced high performance recovery for files, business applications, and entire machines. In addition to using Qumulo's distributed file system for backup data, other users and applications can take advantage of Qumulo's performance and capacity for their primary data storage needs.

Built to address the data protection needs of ALL types of workloads, Qumulo and Veeam help organizations free themselves from legacy file storage and backup complexities. This combined solution delivers a cost-efficient unified data management and protection solution that is simple to deploy, manage, and scale, that delivers extremely fast backup and recovery, and provides real-time visibility across the entire file system.

QUMULO FILE STORAGE WITH VEEAM FOR BACKUP AND REPLICATION

ENTERPRISE WORKLOADS

Primary Storage · Servers · Backup & Replication · Cloud Tier · Enterprise File Storage · Instant Recovery · Automated Backup · NFS, SMB Ethernet · Fast, reliable, data access & recovery · Qumulo certified platform

VM, APPS & USERS

VM NFS mounts directly with Qumulo · Instant VM Recovery

Veeam Backup & Replication

Veeam® Cloud Data Management Platform™ is the most complete solution to help our customers evolve the way they manage data, making it smarter and more self-governing while ensuring its availability across any application or cloud infrastructure. It's a single platform for cloud, virtual and physical to meet all your needs. It helps customers on the journey to modernizing their backup practice, accelerating hybrid cloud, and adhering to data security and regulations.

MODERN BACKUP AND REPLICATION CHALLENGES

- Growing data capacity requirements
- Legacy storage, backup and DR complexities
- Data availability and efficient data protection
- Data management across multiple sites

JOINT SOLUTION FEATURES & BENEFITS

- Easy to deploy, manage, and scale
- Extreme performance for fast data recovery
- Efficient cost-effective data protection
- Software-defined file system for flexibility and choice
- Cloud-native design
- End-to-end security with AES 256-bit encryption
- Complete data visibility and control
- Performant archive solution to support active workloads

ENTERPRISE BACKUP AND RECOVERY MADE SIMPLE

- Manage your backups from a single console
- One solution that protects ALL types of data
- Save time, shorten backup windows, speed recovery
- Achieve all your data protection SLAs while reducing costs
- Leverage backup data to increase business value

veeam READY Repository

Qumulo Enterprise-proven File Storage

Qumulo files storage solutions have been designed for extreme low latency, IOPS and throughput performance, so it works with Veeam to deliver the fastest backup and instant recovery. Qumulo offers several choices of platforms, including its Qumulo high performance P-series which utilizes All-NVMe, the Qumulo hybrid C-Series, and archive K-series. Both the hybrid and archive solutions utilize powerful flash-first technology, which provide the high performance of SSD for all writes, and intelligent caching to lower cost disk for cost-effective, long term data retention. With Qumulo and Veeam you can be confident that your data is reliably protected and that your applications are always available.

Easy to Deploy, Manage and Scale

Both solutions can be deployed in minutes. Veeam allows organizations to easily automate backup to Qumulo's file storage with a simple to use scheduling UI or powerful APIs. Backups are managed by Veeams single console and using Qumulo's real-time analytics, organizations gain visibility across the entire file system. Managing growth is simple with Qumulo's modular scale across architecture. Just add nodes to the existing infrastructure to increase performance and capacity levels, when required, with no disruption or downtime.

Cost-Efficient End-to-End Data Protection and Preservation

Veeam protects data end-to-end with built-in AES256 encryption. Giving you the ability to encrypt backup data at source, while in flight, and at rest. Qumulo's software protects all stored data using erasure coding. This assures superior levels of availability and security protection, as well as allowing 100 percent capacity utilization. Data is protected for the long-term with minimal storage overhead.

The modern cloud-native solution provides the option of using Veeam Cloud Tier, to move cold data from Qumulo file storage to AWS, GCP or Azure cloud.

Gain Complete Data and Infrastructure Visibility

Veeam® ONE provides advanced monitoring and analytics for your entire IT environment. With support for Veeam Backup & Replication, as well as VMware vSphere and Microsoft Hyper-V, Veeam ONE delivers deep intelligent monitoring, reporting, and automation through interactive tools. So you can be proactive in resolving problems before operational impact.

Qumulo provides access to real-time analytics that monitor performance, capacity, and file storage usage, which allows administrators to proactively manage the entire file system and make proactive decisions for planning future growth.

VEEAM BACKUP & REPLICATION

How it Works

- Veeam securely connects to Qumulo via SMB share or NFS export as a Veeam repository

- Backups of VMs, physical servers, cloud workloads, and application data such is SQL Server, Oracle, Exchange, and Sharepoint are able to be written quickly to Qumulo high performance storage

- Veeam further protects data by enabling backup copies to be written to secondary locations, including public and private clouds

- Using Veeam's DataLab technology, backups are instantly tested and validated for assured recoverability

- Qumulo's high performance storage enables individual files, application items, or even full servers to be rapidly recovered reducing downtime

QUMULO ENTERPRISE-PROVEN FILE STORAGE

How it Works:

- Veeam backup data is securely retained on Qumulo's file storage

- Qumulo provides high performance full recovery, file recovery, or application item recovery

- Qumulo modular architecture allows simple scalability Cost effectively grow capacity as needed; simply add nodes. No disruption. No downtime.

ABOUT QUMULO

Qumulo is the leader in enterprise-proven hybrid cloud file storage, providing real-time visibility, scale and control of your data across on-prem and cloud. **For more information, visit www.qumulo.com.**

ABOUT VEEAM

Veeam® is the global leader in Backup that delivers Cloud Data Management(TM), which entails backup and recovery, cloud mobility, monitoring and analytics, orchestration and automation, and governance and compliance for ALL data. We make sure that data is always available, protected, and actively working for businesses across the globe. This means, regardless of where our customer's data resides — virtual and physical systems, SaaS and IaaS services, hybrid cloud or multi-cloud — our platform helps hundreds of thousands of companies keep their businesses running. **www.veeam.com**

Qumulo