QNAP®

Solution Brief
QNAP & Veeam Ready Solutions

veeam

Three Reasons Why Businesses Choose QNAP NAS x Veeam for Backup

Key Challenges in Modern Data Backup and Storage

Affordability of Large-Scale Storage

Data growth is relentless, with organizations now dealing with petabytes of data across various environments. Traditional storage solutions quickly become cost-prohibitive at this scale, limiting the ability of companies to store and access vast amounts of data without breaking budget constraints. Organizations need an affordable solution that provides high-capacity storage at a manageable cost, particularly for data backup and archiving.

Need for High Performance

Data backup and retrieval processes require high-performance solutions to ensure quick data access and minimal downtime, especially for mission-critical applications. Conventional storage solutions may struggle to meet these demands, particularly when large data sets are involved. Companies need backup solutions that maintain high performance, allowing rapid data retrieval and ensuring that operations run smoothly without performance lags.

Fault Tolerance and Data Reliability

In an era where data loss can severely impact business continuity and customer trust, having fault-tolerant storage solutions is critical. However, building in redundancy and failover capabilities can often be costly and complex. To mitigate risks, organizations need storage solutions that provide built-in fault tolerance, ensuring data is protected against hardware failures and system outages, safeguarding critical information.

Secure On-Prem S3 Object Backup

As data breaches and cyber threats become more sophisticated, security is paramount, especially for data stored on-premises. Traditional security measures may lack the advanced features required to meet today's security demands, especially for large-scale object storage. Companies need robust, secure on-prem S3 object storage solutions that provide advanced encryption, access controls, and regulatory compliance to ensure data is protected from unauthorized access and breaches.

Achieve exceptional performance within your budget

✓ **High Scalability**
Futureproof storage to accommodate growing data

✓ **Outstanding Performance**
Powerful specs and 10/25/100GbE networking for faster backup/restore

✓ **High Storage Efficiency**
QuTS hero NAS offers inline deduplication and compression for optimal storage

✓ **Fault Tolerance and Security**
RAID for redundancy and fault tolerance; snapshots and cybersecurity features

✓ **Easy Management**
Intuitive user interface for configuring storage, networking and permissions

QuObjects x Veeam has 20x Faster On-Prem S3 Object Backup Than Cloud Services

Using QNAP QuObjects S3 Object Storage Solution, set QNAP NAS as the backup target for Veeam object backups. With the Object Lock feature, achieve data immutability to protect against ransomware attacks.

QNAP NAS Object Storage

Read	Write
2990 MB/s	**1280** MB/s

Cloud Object Storage

Read	Write
122 MB/s	**59** MB/s

Verified Compatible with Veeam Backup Solutions

	Veeam Ready - Repository	Veeam Ready - Object	
Feature and Attributes	Backup Target - Disk ISCSI Veeam-compliant and high-performance **iSCSI backup target**	Backup Target – Object Veeam-compliant and high-performance **object backup targets**	Immutability Ensures that object data cannot be modified, deleted, or overwritten
Veeam Products	Veeam Backup & Replication 11, 12	Veeam Backup & Replication 11, 12 Veeam Backup for Microsoft 365 7.0 Veeam Agent for Microsoft Windows 6.0 Veeam Agent for Linux 6.0 Veeam Agent for Mac 2.0	

Reliable Storage for Virtual Machine Backups and Recovery

Paired with Veeam backup software, one or multiple QNAP NAS devices can be configured as backup targets for VMware vSphere or Microsoft Hyper-V virtual machines – ensuring secure backup data and robust disaster recovery plans.
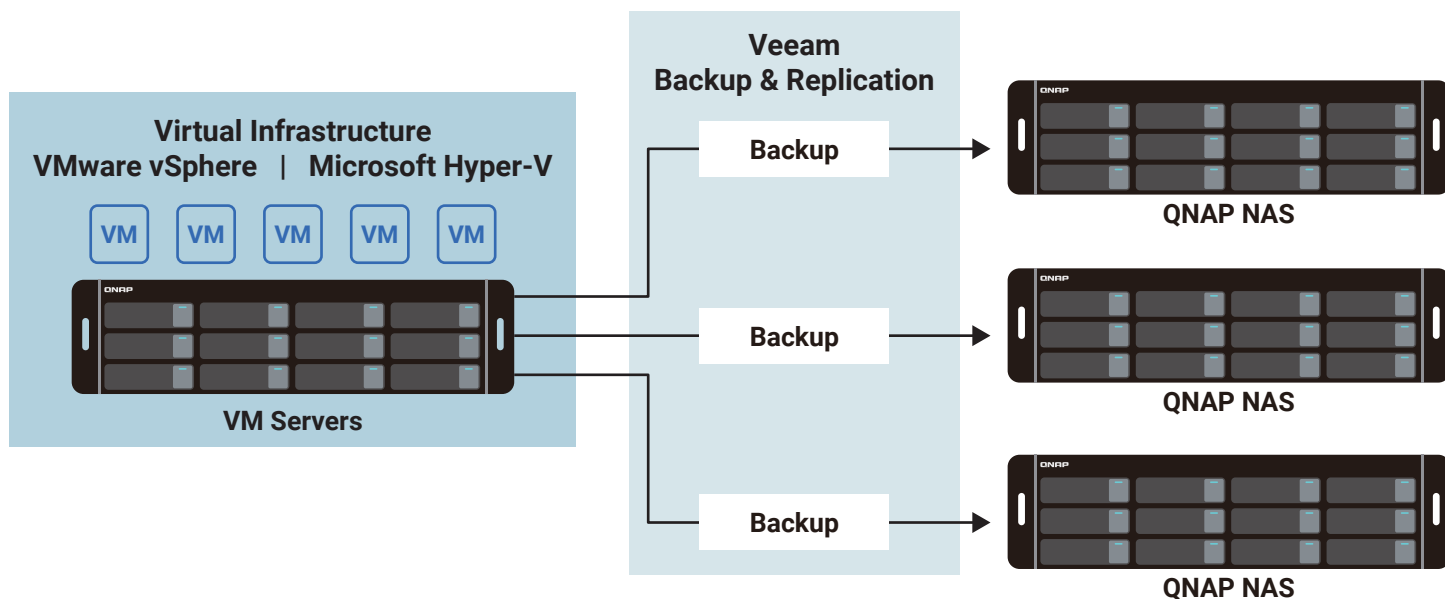
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Tests document the performance of components on a particular test, in specific systems. Differences in hardware, software, or configuration will affect actual performance. Consult other sources of information to evaluate performance as you consider your purchase. For more complete information about performance and benchmark results, visit https://www.qnap.com/en-us/software/quobjects

Learn more about the QNAP & Veeam Ready solution at https://www.qnap.com/en-us/solution/veeam-ready

QNAP NAS is certified as Veeam® Ready and compatible with the latest Veeam backup software to protect business virtual machines, data lakes, and more.