

# QUANTUM VEEAM READY SOLUTIONS COMPREHENSIVE 3-2-1-1-0 DATA PROTECTION

## The Broadest Portfolio of Storage Solutions for Veeam

Strengthening data protection and cybersecurity is a top priority for IT departments. The solution is a multi-layered 3-2-1-1-0 data protection strategy with Veeam and Quantum. Our joint solutions provide comprehensive protection against ransomware, data loss, and localized disaster. Improve RTOs and RPOs for mission-critical data sets. Leverage scalable, simple, immutable object storage for growing backup sets. Improve backup efficiencies across the edge, core, and cloud, and create ultra-secure, physically air-gapped data copies for the ultimate ransomware protection.



**All-Flash Storage  
for Rapid Recovery**



### Quantum Myriad™ All-Flash File and Object\*

Superfast recovery of mission-critical databases and data sets



**Immutable Object  
Storage**



### ActiveScale™ Object Storage

Scalable, durable, on- and off-site copies with object locking



**Veeam Integrated  
Backup Appliances**



### DXi® Deduplication Appliances

Fast and efficient backups and restores with Secure Snapshots



**Offline, Air-Gapped  
Tape Storage**



### Scalar® Tape Libraries and Drives

Low-cost, air-gapped storage for long-term archiving and ransomware protection



## Benefits

### Strengthen cybersecurity and ransomware protection.

- Immutable, offline, and air-gapped backups with Quantum Object Lock, Secure Snapshot, and Ransom Block, and recovery from any data tier.

### Address growing backup data sets from the edge to the core to the cloud.

- Self-protecting storage target solutions from terabytes to exabytes for SMBs to the largest enterprises

### Reduce acquisition and operation costs.

- Flexibly and efficiently achieve performance and availability with multiple storage types, snapshots, deduplication, compression, and scale up and out architectures.

### Reduce RPOs and RTOs with fast data recovery.

- Quantum spans from superfast recovery of mission-critical databases to low-cost, offline, and offsite secondary backup copies and archives.

\*Myriad is expected to be generally available in the third calendar quarter of 2023 and is expected to achieve Veeam Ready status at that time.

## Quantum and Veeam deliver scalable solutions to maximize recovery, cyber resilience, and efficiency.

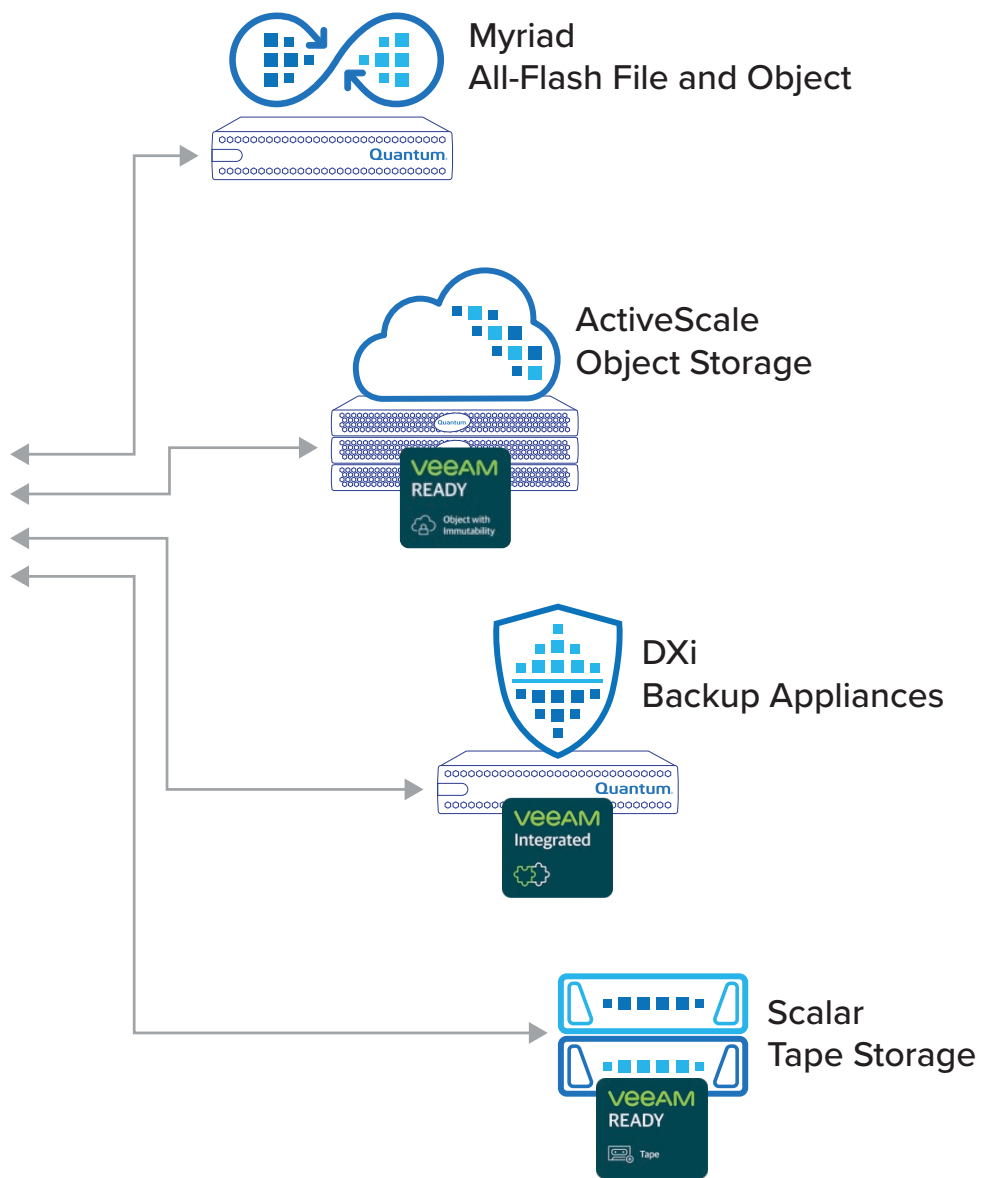
Quantum protects your valuable data assets throughout their entire data lifecycle with a rich portfolio of Veeam Ready solutions. From lightning-fast recovery of your most mission-critical databases, centralizing backup data from your edge locations, to archiving your backup history for preservation and compliance, Quantum works with you to optimize the performance, availability, and cost-efficiency of your entire data, disaster, and ransomware protection strategy.

- 3** copies of your data on
- 2** different media with
- 1** copy offsite and
- 1** copy immutable/offline
- 0** data verification errors



### Multi-layered data protection from terabytes to exabytes

Protecting your data from data loss, site failures, and ransomware requires careful planning and consideration. Industry standard best practices recommend that you maintain three copies of your data on two independent storage mediums with one copy offsite and one copy offline, and lastly, that your backups are verified to be recoverable.





## Meet Mission-Critical RPOs & RTOs

Myriad All-Flash File and Object

With advanced RDMA networking, the industry's most modern all-flash storage, and key enterprise features, Quantum Myriad perfectly complements Veeam database backup tools for quick recovery of your essential assets.

**Ultra-fast, petabyte-scale recovery** of mission-critical databases and data sets.

**All-NVMe, RDMA-optimized, scale-out design** for high-throughput, low-latency backups and restores across 100 GbE networks.

**High performance at affordable cost**, based on off-the-shelf hardware, inline data deduplication, and compression.

**Simple recovery of Oracle, Microsoft SQL, and SAP Hana** applications with Veeam database plug-ins.

**Easy to deploy, cloud-native, microservices architecture** for simple management, high availability, data durability, and performance.



## Optimize Efficiency with Secure Online Backups

DXi Deduplication Appliances

Fully integrated with Veeam Data Mover Service, DXi virtual and physical backup appliances deliver ultra-fast backups, instant restores, Secure Snapshot ransomware protection, and world class storage deduplication.

**Inline, variable-length deduplication** provides fast, storage-efficient backups across parallel Veeam streams.

**Integrated Veeam Data Mover Service (VDMS)** optimizes full, incremental, and synthetic full backup jobs, reducing network bandwidth requirements and freeing up Veeam backup server and storage resources.

**Instantly recover virtual machines** with DXi support of Instant VM Recovery (IVMR) to meet strict recovery time objectives.

**No landing zone required.** DXi reduces storage requirements by up to 50% compared to other backup appliance solutions.

Complement the data security, efficiency, and freedom that Veeam Backup and Replication provides with fast, efficient, and affordable storage target solutions from Quantum. Today's IT environments require multi-layered security and protection to gain confidence in your ability to reliably recover exactly what you need, when you need it.

For more information, go to: [www.Quantum.com/Veeam](http://www.Quantum.com/Veeam)



## Achieve Simple, Direct-to-Object Immutability

ActiveScale Object Storage

ActiveScale is ideal as a simple, scalable target for all Veeam-enabled object storage use cases, providing immutable, durable onsite and offsite backup and archive data copies that are always online for easy recovery.

**Simple to manage at any scale**, ActiveScale supports Veeam SOSAPI capacity monitoring for simpler operations.

**Object Lock and Versioning** for immutable online copies, both on and off site, for simple ransomware protection.

**In-flight and at-rest data encryption** based on SSL/TLS 1.2 and 1.3 and AES-256.

**Software-defined, scale-out storage architecture** provides massive scale and the highest levels of data durability using economical off-the-shelf servers.



## Maximize Data Security with Offline, Air-Gapped Copies

Scalar Tape Libraries and Drives

With the most secure tape libraries in the market with Ransom Block and the Scalar Security Framework, Quantum and Veeam make it easy to create a cyber resilient backup or archive environment.

**The Scalar Security Framework** enables you to combat ransomware with the most cyber-resilient backup and archive solution based on AES 256-bit encryption, WORM technology, and robust access control, multi-factor authentication and advanced monitoring, alerting and audit logs.

**Ransom Block** protects against ransomware with the industry's most secure physical barrier between data stored on tape and any network-connected device, even the tape robotics system.

**High density, low cost.** The industry's highest storage density in LTO automation; lowest cost per gigabyte within a single rack.

## Quantum

Quantum technology, software, and services provide the solutions that today's organizations need to make video and other unstructured data smarter – so their data works for them and not the other way around. With over 40 years of innovation, Quantum's end-to-end platform is uniquely equipped to orchestrate, protect, and enrich data across its lifecycle, providing enhanced intelligence and actionable insights. Leading organizations in cloud services, entertainment, government, research, education, transportation, and enterprise IT trust Quantum to bring their data to life, because data makes life better, safer, and smarter. Quantum is listed on Nasdaq (QMCO) and the Russell 2000® Index. For more information visit [www.quantum.com](http://www.quantum.com).

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