Quest®

QoreStor®

Cloud-connected secondary storage, deduplication and replication

With the exponential growth of data, backups are becoming prohibitively slow and storage costs are rising. And then you have to overcome ongoing cyberattacks and ransomware that target your backups to prevent you from recovering your data. How can you enable a cloud-connected, IT environment to support your data protection strategy?

Here's how: Quest® QoreStor® is a software-defined secondary storage platform that accelerates backup performance, slashes on-premises and cloud storage requirements and costs, and enables the use of cloud storage for backup, archiving and disaster recovery.

QoreStor helps you fight cybercrime and ransomware by protecting backup data both on-premises or in the cloud and ensures recoverability. It provides backup data immutability, object locking and versioning control for S3-based data workflows, and an immutable backup recycle bin. For the best protection, QoreStor takes all this a step further by also deduplicating, compressing and encrypting backup data. All data will be optimized, obfuscated and unchangeable.

Slash costs and maximize the return on your IT investment by leveraging virtually any storage hardware, virtualization platform or cloud provider. QoreStor supports most popular backup software solutions — so there's no need to rip and replace your existing software! Simple to deploy and easy to manage, QoreStor enables you to shrink replication time, improve data security and meet compliance requirements.
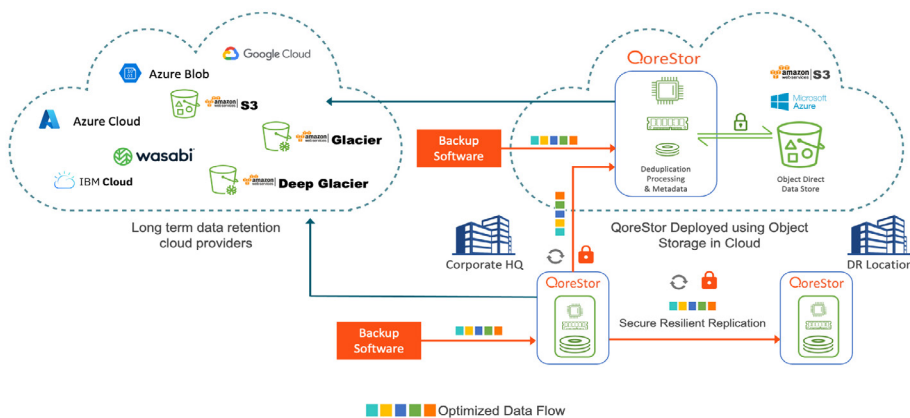
FEATURES

- **Next-generation storage deduplication engine —** Lower your backup storage requirements by an average of 20:1, and take advantage of enterprise-class variable-block deduplication.

- **Immutable backup storage —** Protects against ransomware attacks as data written to QoreStor is made immutable, such that it cannot be overwritten, changed, or deleted outside of the required retention settings. See the QoreStor Interoperability Guide for supported backup solutions.

> QoreStor delivers transparent storage that connects instantly to the cloud, accelerates backup performance, reduces storage requirements and costs, and restores immediately from the cloud to help RTOs/RPOs.

BENEFITS:

- Slash on-premises and cloud backup storage costs.

- Strengthen ransomware protection with immutable backups, object locking and versioning control—both on-prem and in the cloud.

- Accelerate backup completion with unique protocol accelerators and deduplication.

- Replicate data on-premises or to another cloud for disaster recovery.

- Shrink replication time by transmitting only changed data.

- Improve data security and comply with FIPS 140-2.

- Leverage your existing backup and recovery technologies.

- Lower total cost of ownership through all-inclusive licensing.

- QoreStor is available in both Azure and AWS Marketplaces.

- **Data Recycle Bin —** Helps protect against ransomware attacks by storing a copy of deleted data in the QoreStor data recycle bin for the specified retention period. See the QoreStor Interoperability Guide for supported backup solutions.

- **Cloud Lock —** Allows backup data tiered out to the cloud via QoreStor's Cloud and Archive Tier features to be locked, providing immutability. Uses cloud-native locking and supports S3-compliant and Azure Blob storage.

- **Object Locking —** Offers object locking and versioning control for S3-based data workflows to protect backup data.

- **Cloud Tier —** Move and recover data from cloud storage quickly and easily with this policy-driven, seamless cloud extension. For RDA-based backups like NetVault, you can also use object locking for ransomware protection. QoreStor Cloud Tier lets you configure two different cloud tier vendors in a single instance of QoreStor. Supports the use of Amazon S3 Intelligent Tiering where data is moved automatically within the Amazon S3 tiers as it ages.

- **Performance Tier —** Recover instantly, without having to compromise on deduplication, with this high-speed storage group.

- **Archive Tier —** Address long-term data retention needs by sending backup data to low-cost 'cold' cloud storage, such as AWS Glacier and Azure Archive. Uses Amazon S3 Intelligent Tiering inherently for metadata, whereas the backup data is stored in Glacier/Deep Glacier.

- **Object Direct —** Reduces backup storage costs by allowing the use of low-cost object storage (on-premises and in the cloud) for the main backup data repository.

- **Cloud Reader —** Used to recover cloud tier data if the QoreStor server (on-premises or in the cloud) becomes unavailable.

- **Hardware- and software-agnostic platform —** Employ any storage hardware, backup software, virtualization platform or cloud provider to reduce costs, simplify your IT environment and maximize your ROI.

- **Built-in protocol accelerators with Secure Connect technology —** Accelerate data ingest by up to 20 terabytes per hour to address your ever-shortening backup windows. Ensure complete backups, even over poor links that disconnect often.

- **Remote replication for disaster recovery —** Replicate only unique data to a remote site, reduce replication windows by 10 to 15 times, reduce network bandwidth requirements by 85 percent and shorten overall replication time.

- **Back up to the cloud —** Back up directly to the cloud over your WAN, but with LAN-like speeds through source-side deduplication where only the changes are transmitted. Achieve recovery point objectives (RPOs) that are typical of on-premises deployments, even over the WAN.

- **Direct-to-target backup —** Bypass the media server and back up directly to the target storage device.

- **Data security —** Meet demanding security requirements with built-in encryption at rest, secure erase and FIPS 140-2 compliance. Encryption at rest uses industry-standard 256-bit Advanced Encryption Standard (AES) keys.

- **Best-in-class data integrity —** Count on data verification and file system health checks to overcome potential storage failures and help ensure recoverability.

- **Data tenancy and role-based access —** Create storage groups easily — and containers within those storage groups — to define separate storage policies and capacities. Advanced user roles allow for more granular control.

- **QorePortal —** Administer all QoreStor instances in a single console, from anywhere, on any device, making QoreStor easy to use, manage and maintain.

- **Continuous Data Protection (CDP) —** Enables Quest® NetVault® Plus Continuous Data Protection (CDP) innovation with incremental forever protection of VMware virtual machines.

- **Instant Restore —** Enables Quest NetVault Plus Instant Recovery (of VMware VMs) by mounting a deduplicated VM image snapshot directly from the QoreStor repository.

ABOUT QUEST

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Microsoft 365 migration and management, and cybersecurity resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.