

Quantum®

AUTONOMOUS DATA MANAGEMENT (ADM)

Right Data. Right Place. Right Cost.

DATASHEET

FEATURES & BENEFITS

See Into and Across Your Entire Data Estate

Identify, catalog, and optimize your unstructured data in place across on-premises, cloud, and SaaS storage, producing a single operational view with owner, age, sensitivity, and access detail. No source data is moved, copied, or modified.

Identify Risk, Redundancy, and Waste

Uncover the risky, redundant, obsolete, and trivial data hiding across file shares that drives your storage cost, complexity, and exposure that traditional tools don't see.

Act on What You Find

Turn insight into policy-driven movement. Move inactive data to the right storage tier, and isolate sensitive or risk-flagged data into a secure, privileged archive.

Reclaim Primary Storage

Free up space on expensive performance and flash Tier 1 storage for the workloads that need it, while keeping the rest on highly efficient, cost-effective secondary storage that can be recalled from all tiers and locations at any time.

Reduce Your Cyber Attack Surface

Relocate sensitive and inactive data into a privileged tier, lowering exposure at the source and without requiring additional security tooling or business disruption.

LEARN MORE:

www.quantum.com/adm

See every file across your unstructured data landscape, then move each one to the right tier, at the right cost, with the right protection.

There has never been a more expensive time to not know your data: unstructured data is growing fastest exactly where you have the least insight. Cyber threats target unmanaged data across SaaS platforms, cloud shares, and folders whose owners left years ago. AI initiatives stall waiting for this potentially valuable data to be organized and described manually. And now, a flash, SSD, and hard drive supply shock has made “just buy more storage” the costliest answer in a decade. Every enterprise needs the same outcome today where only the files needed immediately live on fast storage, redundant and unneeded files are removed, files that carry risk are securely stored, and everything else is moved to the most cost-efficient and resilient tier, ready to use again whenever needed.

Quantum Autonomous Data Management (ADM)

turns that vision into reality. It sees and catalogs every file across your data estate in place, then acts on what it finds: right-tiering inactive data, isolating what's sensitive, and reclaiming the expensive capacity you've already paid for. When you finally have insight across your entire data landscape, every file can be moved where it belongs:

- **Right Data:** Know exactly what you hold, wherever it lives.
- **Right Place:** Put every file where it belongs, and isolate what carries risk.
- **Right Cost:** Reclaim expensive capacity and lower the cost of storing and protecting it.

The Cost of Not Knowing is Rising

Unstructured data is expanding beyond traditional storage control. Beyond traditional NAS and file shares, data lives in cloud repositories and SaaS platforms such

as Microsoft 365, SharePoint, and Google Workspace, where visibility, ownership, retention, and cost management are often inconsistent—or nonexistent.

Data is the fastest-growing attack surface.

Ransomware targets unstructured data because that is where the value sits: on the IP network, in open shares, in folders whose owners left years ago, available and unprotected. All of this is unfolding during a flash storage supply shock, making this among the most expensive moments in a decade to keep buying storage without a policy-driven plan across your entire data estate.

Get your data AI-ready: Catalog and tag the estate in place so AI initiatives can draw on relevant, well-described data, while sensitive and regulated content stays out of AI data sets.

AI raised the stakes on data you don't

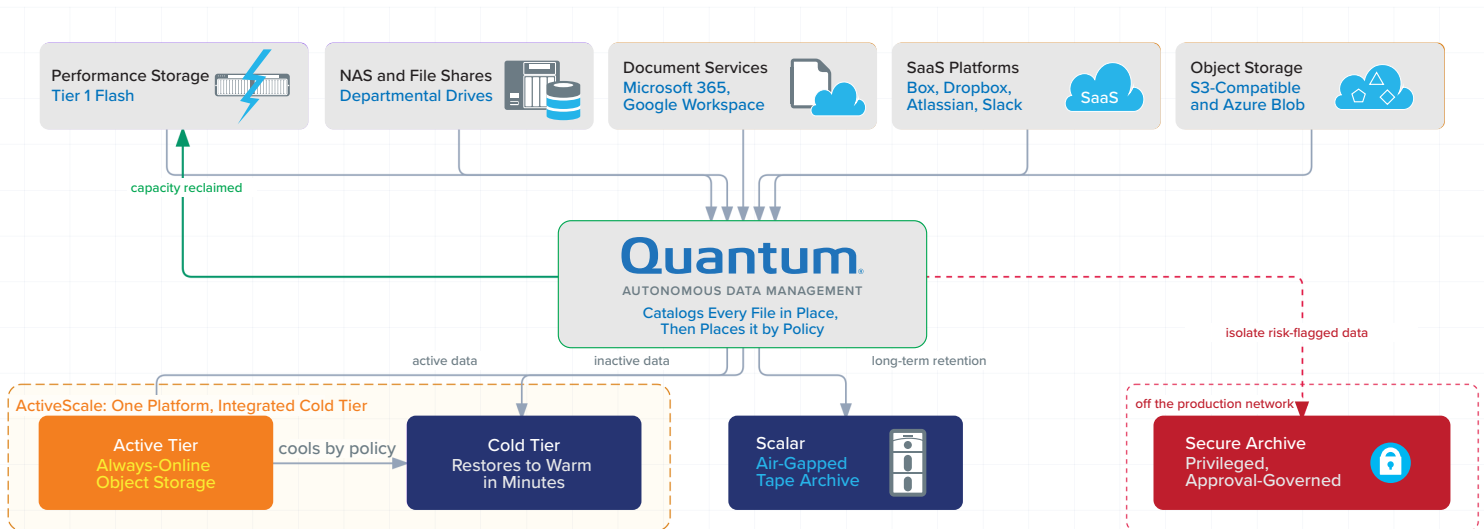
understand. Unstructured data is now the most valuable raw material in the enterprise and the part most organizations understand least. You cannot point AI at an estate you cannot describe, and the majority of organizations report their data is not yet AI-ready.

You Cannot Optimize or Protect What You Cannot See

Few organizations can precisely say what data has actually been accessed in the last two years across their data estate, including NAS, cloud locations, and even working document shares

like SharePoint and Microsoft 365. That blind spot drives three of the largest lines on infrastructure budgets today: what you pay to store data, what you pay to protect it, and what risk you are exposed to if it is breached.

Quantum ADM starts by making your entire data estate visible, then turns that insight into action. Data is placed across your storage tiers, reclaiming space and optimizing your most expensive storage, enabling smarter cloud migrations, and reducing your cyber-attack surface at the source. When file intelligence, policy, and data movement operate as one system, every finding decision becomes an enforced placement. The right data ends up in the right place, with the right protection, at the right cost automatically.



Provable Evidence

Quantum ADM first analyzes your data and based on your own cost numbers shows you how much you may be overpaying for data that does not need to be on expensive primary storage, or not needed at all. With zero production impact, it returns an evidence-based dashboard of your own estate, down to the individual file: when it was last accessed, who owns it, what is duplicated (by hash comparison, not filename), what sits in an open read-write share, what is orphaned, and where regulated data actually resides. When deployed with Quantum's storage portfolio, ADM becomes the ideal cost-and-risk reduction program that is only achievable with insight, action, and ideally matched storage: right data, right place, right cost, proven on your own estate.

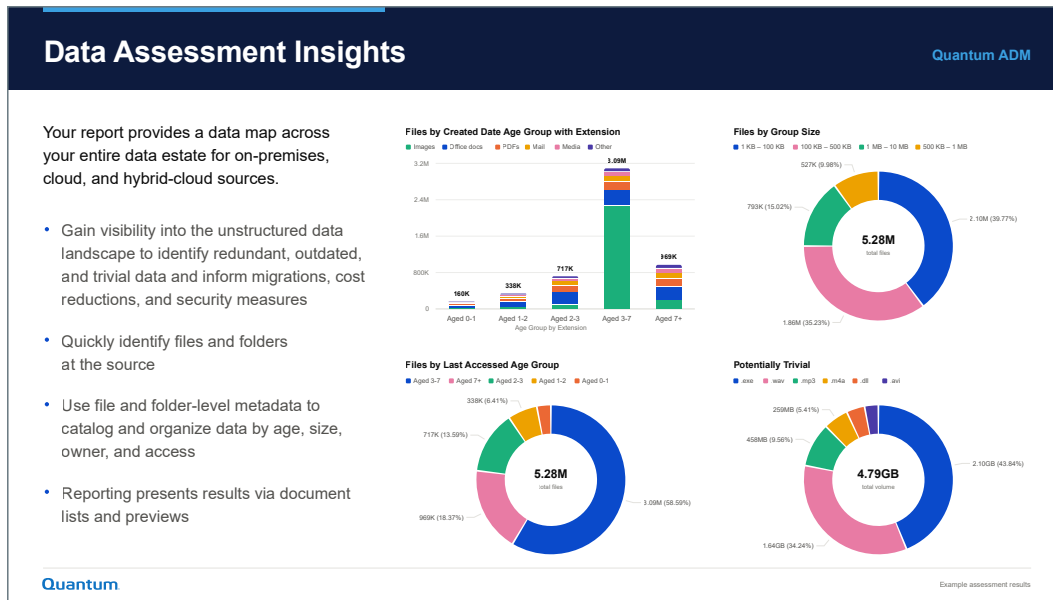
Right Data: See and Catalog Everything

The data-intelligence engine at the core of ADM analyzes the estate in place using file metadata, ownership, and access permissions to catalog what is sensitive, redundant, outdated, or trivial across on-premises, cloud, and SaaS sources. The result is a data map of your entire estate. You'll have the valuable insight needed to identify risky, redundant, and stale data and to inform migrations, cost reductions, and security measures.

Catalog in Place: Build one operational view across NAS, Microsoft 365, SharePoint, Atlassian, object storage, and endpoints without moving or modifying source data.

Sensitive-Data Identification: Locate personal, health, financial, and other regulated data wherever it resides, giving Security, Legal, and Compliance a defensible view of exposure.

ROT and Duplicate Analysis: Identify redundant, obsolete, and trivial data, including duplicates detected by hash comparison, that you are paying to store, protect, and replicate without business value.



Example Data Assessment Insights Report.

Right Place: Isolate, Secure, and Right-Tier

The secure isolation and archive layer governs what happens to the data that carries risk or cost. This layer provides a secure storage target and a controlled retrieval process: sensitive or inactive data is moved off the general IP network into a privileged, quarantined archive, with access governed by approval. Files are replaced with dynamic links, so data remains reachable on demand, and moved data lands on low-cost, durable Quantum storage rather than premium tiers. One move produces two results: cost declines and the attack surface contracts.

Supports Your NIST CSF 2.0 Program: ADM addresses the Identify, Govern, and Protect functions of NIST CSF 2.0, cataloging data and assets, applying automated governance policy, and remediating sensitive-data exposure through isolation.

Attack-Surface Reduction: Relocate risk-flagged and inactive data off the production network, reducing exposure without additional data-security tooling.

Dynamic-Link Retrieval: Moved files are replaced with dynamic links and remain reachable through an approval workflow, which can be integrated with ticketing services like ServiceNow, accessed through APIs, or managed through manual approval, so isolation does not disrupt operations.

Right-Tier Placement: Direct data to the appropriate Quantum tier: active to ActiveScale®, cold to ActiveScale Cold Storage, and long-term retention to Scalar®.

Manage-in-Place Architecture

ADM operates across your environment including file shares, on-premises systems (SharePoint, Exchange, Atlassian), Microsoft 365 and other SaaS, object storage, cloud, and endpoints. Source data remains in place during analysis; only metadata and content fingerprints are cataloged.

Right Cost: Reclaim Capacity, Lower Your Opex

With a clear understanding of what type of data you have, you can now reclaim the expensive capacity you have already paid for, shift what remains onto efficient tiers, and dramatically lower the ongoing cost of storing, protecting, and running the estate. Insight becomes freed budget and a better operating-cost profile, with the same infrastructure carrying less waste at lower cost.

Optimize Expensive Flash Storage: Free space and optimize primary capacity for the applications it was provisioned for, knowing the rest of your data is easily movable and recallable at any time from secondary, cost-efficient tiers.

Reduce Backup Scope: Protect mission-critical data, archive the rest once, and price the next renewal on data that warrants protection, reducing backup windows and replication cost.

Enable Smarter Migrations: Migrate and tier at the file level rather than in bulk, moving the right data to the right destination as part of a cloud or modernization program.

Prepare Data for AI: Catalog and curate the estate so AI initiatives draw on relevant, described data rather than redundant or sensitive content of unknown or unverified provenance.

The Data Assessment: Right Data, Right Place, Right Cost, Proven on Your Estate

Begin with a data insight engagement across a defined part of your estate, typically up to a few hundred terabytes, and let the findings make the case. Quantum ADM assesses your data in place with zero production impact across NAS, Microsoft 365, cloud, and object stores, and returns per-file evidence of what you hold: what is stale, duplicated, orphaned, exposed in open shares, or regulated. From there, expand scanning across the full data estate and turn the findings into policy-driven placement, isolation, right-tiering, and controlled retrieval.

Volume	Items		
Total Volume	Total Files	Inactive Volume %	Obsolete Volume %
90.8TB	96.9M	34.49%	52.32%
Inactive Volume	Average Modified Age	Average Accessed Age	ROT Volume
31.3TB	9.10 yrs	4.72 yrs	60.3TB

Example data assessment report results.

Quantum ADM Features and Capabilities

Core capabilities	Data cataloging, reporting, policy-driven movement, and secure isolation and archive, delivered as one platform.
Data sources	NAS and file shares, Microsoft 365, SharePoint, Exchange, Atlassian, object storage, cloud file services, endpoints.
Integration method	API-integrated, metadata-level; not an agent or filesystem crawler. Zero production impact.
Manage-in-place	Source data is not changed, copied, moved, or deleted during analysis; metadata fingerprints cataloged centrally.
Metadata analysis	Multi-level inspection of metadata, ownership, and content using machine learning; categories include sensitive/regulated, contractual, legal, financial, and ROT.
Secure isolation	Privileged, quarantined archive with approval-governed retrieval and dynamic-link recall; on cost-effective and resilient Quantum storage target.
Data residency	In-cloud analysis configurable to an in-country region for regulated jurisdictions.
Governance support	Contributes data visibility, access and permissions reporting, and secure isolation to customer-led data governance, privacy, and retention initiatives.

Portfolio Integration Points

Warm object storage	ActiveScale is always-online object storage that keeps data online and instantly accessible at a fraction of the cost of Tier 1 storage.
Cold object storage	ActiveScale Cold Storage is the cold storage tier integrated with ActiveScale in a single architecture designed for both working data and cold data — up to 80% lower cost for cold data, with restore to warm storage in minutes.
Tape archive	Scalar delivers air-gapped tape archive for long-term retained data — the lowest cost per terabyte of any tier, with true offline ransomware protection, encryption and WORM options, and decades of media life at the lowest possible energy cost.
Collaborative shared storage	StorNext® delivers high-speed collaborative shared storage for performance-intensive workflows and is ideal for processing and transforming large video and image files.

Book Your Data Assessment

Book a paid data insight engagement to analyze the sources where you suspect the most cost or risk is hiding. Quantum ADM analyzes that data in place and returns clear evidence of cost, risk, redundancy, ownership, access, and regulated-data exposure. Your report will reveal the savings you can capture based on your own storage cost figures. From there, you can expand visibility across your full data estate and turn policy into placement, isolation, right-tiering, and controlled retrieval.

Contact your Quantum representative or visit www.quantum.com/adm to schedule your assessment.

Quantum

Quantum supports organizations in managing growing volumes of data through an intelligent approach to data lifecycle management. Drawing on more than 45 years of innovation in data storage, protection, and management, Quantum helps organizations ensure the right data is in the right place, at the right cost, balancing performance, protection, accessibility, scalability, and long-term economics. Through intelligent data placement and movement across flash, disk, and tape, Quantum enables organizations to reduce risk, control costs, improve operational efficiency, and scale with confidence. Leading organizations across media and entertainment, government, research, life sciences, industrial technology, and enterprise IT trust Quantum to manage, protect, and retain data throughout its lifecycle. Quantum is listed on Nasdaq (QMCO). For more information visit www.quantum.com.

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