

## Easily Retain, Protect, and Manage Data in a Hybrid Cloud Environment

Quantum Artico Intelligent NAS Storage Appliance for Public and Private Cloud

### MEET THE CLOUD MANDATE: SIMPLY & COST EFFICIENTLY

Quantum's Artico™ NAS appliance provides a simple, cost-efficient way to implement a Hybrid Cloud environment, without disrupting IT or business operations. With Artico, configuring access to Public or Private Cloud storage is as simple as connecting a NAS share. There is no need to wait for applications to be "cloud ready" as Artico takes the guesswork out of connecting to the cloud. Just set up the NAS share, configure policies to leverage Public Cloud, Private Cloud, or both for protection and long-term retention. The rest is automated, further reducing IT resource burden and the complexity of leveraging a Hybrid-Cloud-enabled solution to meet both off-site and on-site storage requirements. An automated solution like Artico is the best way to deliver high-performance data access, off-site protection, and overall lower storage cost for long-term retention of valued or regulated data.

### STORAGE MANAGEMENT CHALLENGE

The need to keep more data, keep it longer but keep it accessible for business users is more necessary today than ever before. Business users such as Engineering, Marketing, Legal, Research, etc. who generate a vast amount of data and content require ongoing access to that data long after it has been created. Storing and managing this growing data long term on high-performance primary storage can be very cost prohibitive, can impact overall system and network performance, and typically results in ongoing expensive upgrades to keep pace. Alternatively, archiving this data to off-site or offline tape often leaves it inaccessible to business users, requiring retrieval by IT that could take hours, consuming IT resources and leaving users unhappy.

As cloud costs have decreased, IT departments have looked to implement cloud strategies as part of their storage management process. The issue up until now is that solutions to effectively leverage the cloud have been complex, disruptive to both IT and business users, and difficult to implement.

### IMPLEMENT HYBRID CLOUD FOR LONG-TERM DATA RETENTION

- Store, protect, and access data via simple, intelligent NAS appliance
- Control data movement between on-site and cloud storage via automated policies
- Non-disruptive to business users and IT operations

Quantum Artico NAS storage provides a simple, cost-efficient and non-disruptive way to implement Hybrid Cloud storage in your environment. Moving data to the cloud is simple: with StorNext® inside, Artico offers intelligent, policy-based protection and tiering to Lattus™ Object Storage for Private Cloud and Q-Cloud™ Archive and Q-Cloud Vault (powered by Amazon S3 and Glacier, respectively) for Public Cloud. In addition, Artico also provides tiering to tape—providing another low-cost storage option.



### SOLUTION BENEFITS

- **Fully integrated system** – Artico is a NAS-based, shared-storage solution designed to reduce storage costs and optimize productivity.
- **High-performance shared disk storage** – Enables collaborative workflows for workgroups of all types.
- **Cross-platform collaboration** – Collaborate across Linux, Windows, UNIX, and Mac OS X operating systems; simplifies deployment and supports the broadest range of applications.
- **Built on StorNext 5** – The award-winning file system software field-proven in tens of thousands of intense workflow environments worldwide.
- **World-class support from Quantum** – Quantum has a global presence in more than 180 countries, with 24/7 online and multilingual expert phone support for our breadth of product lines including Artico, StorNext, Scalar®, Lattus Object Storage, and Q-Cloud Archive and Q-Cloud Vault.

Figure 1. Getting Data to the Cloud is Easy



Connecting Artico to the cloud is a one-click operation through its easy-to-use GUI. Data is automatically moved over time to the most appropriate tier of storage—on-premise or in the cloud—while at the same time providing automated data protection. Users can tune Artico's policies to adjust how long data remains on Artico's internal disk storage and when it is migrated to other storage tiers, including how much content remains on premise in the Private Cloud or other storage and how much is stored in the Public Cloud. In this way, time to access data can be optimized to meet business users' specific needs. In addition, Artico's policies can create multiple copies of files, automating data protection and protecting data against component failure and site disaster.

Access to data is non-disruptive to business users. User file access does not change as data is migrated to the cloud. Artico's intelligent file system monitors where the data currently resides (disk, object, cloud, or tape) and automatically retrieves it from that tier of storage. Artico presents a consistent location for the file no matter where the data resides.

#### FAST RETURN ON INVESTMENT. FAST ACCESS TO DATA.

There are multiple ways in which Artico reduces storage TCO, optimizing storage spend. Storing data on Artico means that all data no longer needs to reside on high-performance primary storage, resulting in reduced cost and better performance of production storage systems. In addition, this data is no longer part of the regular backup process, reducing backup storage and software costs as well as backup windows. Finally, utilizing multiple tiers of storage in a Hybrid Cloud environment means that spend on each tier of storage, including on-premise and off-premise storage, can be managed and optimized from a single location by adjusting Artico's automated data migration policies.

So now rather than spending more on expensive primary and backup storage to accommodate multiple copies of the same data—impacting performance of your production systems and critical applications—your data can be accessed, stored, managed, and protected on less-expensive storage in a tiered, Hybrid Cloud environment without impacting the day-to-day productivity of those who need access to their data.

#### AN ATTRACTIVE HYBRID CLOUD ENTRY POINT. SCALES TO PETABYTES WITHOUT DISRUPTION.

Artico can manage archive data across all forms of storage platforms. That means users can start with a small amount of Public Cloud storage and grow to petabytes of storage utilizing any combination of Public and Private Cloud storage and even tape, as their data needs grow.

For more information please visit [www.quantum.com/artico](http://www.quantum.com/artico).

#### ABOUT QUANTUM

Quantum is a leading expert in scale-out storage, archive and data protection, providing solutions for sharing, preserving and accessing digital assets over the entire data lifecycle. From small businesses to major enterprises, more than 100,000 customers have trusted Quantum to address their most demanding data workflow challenges. With Quantum, customers can Be Certain™ they have the end-to-end storage foundation to maximize the value of their data by making it accessible whenever and wherever needed, retaining it indefinitely and reducing total cost and complexity. See how at [www.quantum.com/customerstories](http://www.quantum.com/customerstories).

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