

# Optimize Capacity and Lower Costs with Intelligent Data Management



## Highlights

- Komprise Data Management seamlessly extends existing primary storage with the affordable capacity, scale and fast retrieval of Western Digital's ActiveScale™ cloud object storage system while keeping all data available without changes to user or application access
- ActiveScale addresses the challenges of exponential data growth by delivering a fully-integrated, highly-scalable private cloud storage system at the fraction of the cost of Tier 1 storage
- Komprise Data Management frees up capacity and increases the performance of your primary storage by continuously and automatically identifying and moving inactive data to Western Digital's ActiveScale cloud object storage system for efficient, long-term storage

## Challenge

- Generated data is more than doubling every two years, while IT budgets stay flat
- Lots of unstructured data is cold, yet it's stored and managed on expensive primary storage
- Data needs to be preserved for longer periods of time and made available in real-time to more people
- Moving data across storage silos can disrupt existing users and critical applications

## Solution

Western Digital ActiveScale cloud object storage system and Komprise combine to create a complete data management solution for Enterprise IT environments. The combined solution provides the extreme scalability, performance and economics of object storage with intelligent automatic policy-based data movement and management to bring together the best of both worlds.

## How Much Are You Paying to Store Cold Data?

Organizations in every industry face explosive data growth, and the costs of dealing with the problem keep rising. Huge volumes of unstructured, rarely accessed data consume large amounts of NAS capacity in most companies, as well as growing backup and recovery resources. Now, you can slash storage costs by continuously, automatically moving inactive data to a cloud object storage tier—without disrupting your users or applications.

By combining Western Digital ActiveScale™ cloud object storage systems with Komprise Data Management, you can take advantage of the scalability, performance, and economics of private cloud object storage for more of your data. Komprise transparently moves your data from primary NAS to object storage, while preserving the file-based access on which your file hierarchies, applications, and users rely.

## Deep Insight into Data Growth

Komprise's Data Growth analytics give you visibility into huge volumes of the unstructured, rarely accessed cold data that is consuming the bulk of your expensive NAS and backup capacity. Komprise then projects the savings you can expect by offloading cold data to the lower-cost ActiveScale object tier. Use these insights to create a cost-effective storage strategy and deliver ongoing graphical reports to key stakeholders.

## Zero Disruption to End Users and Applications

With Komprise's patent-pending Transparent Move Technology (TMT), you can automatically move inactive data to Western Digital cloud object storage—without disrupting the file-based access that your users and applications use now. As Komprise moves cold files from tier-1 NAS to ActiveScale, users and applications still access the archived files the same way, just as if they were still in primary storage. And, the hot data that stays in tier-1 NAS sees no performance degradation.

## Let Your Data Work for You

Your competitive edge increasingly depends on your ability to generate value from your data. But in an effort to reduce costs, too many organizations move data into "siloeed" tiers, where it becomes difficult to search or use. By combining ActiveScale with Komprise, you get the best of both worlds. Use highly scalable, cost-effective ActiveScale object storage for cold data and Komprise for unified management across NAS and object storage. You can continue searching and using archived data as easily as if it remained in primary NAS. And, you generate ongoing value from data in long-term storage by ensuring that it's always accessible for data analytics.

## Simple to Use

Traditional data management solutions carry a major performance hit to your storage. Komprise's distributed architecture runs non-intrusively in the background, outside the hot data path. Based on policies you define, it continually, transparently transfers inactive data from primary NAS to ActiveScale. There, archived data remains instantly accessible to users or applications, with all file attributes and hierarchical file views preserved.

## Easy to Install and Manage

Deploy Komprise as a virtual appliance, with no expensive hardware, complex configurations, or proprietary agents on file servers needed. In just minutes, Komprise can be setup and begin accessing an ActiveScale system and its petabytes of durable object storage capacity, all easily controllable through the Komprise interface. Need to scale? Simply add more Komprise virtual machines and ActiveScale scale-up modules.

## Capitalize on Private Cloud Object Storage

With ActiveScale, you can store your data for longer, at a lower cost, without compromising your ability to easily read and use it. Consolidate multiple tiers of storage, including tape, with cloud-scale object storage that can deliver up to 20 GB/second mixed workload throughput. Reduce OPEX with helium-filled drives that require less power and cooling. Achieve up to 19 nines durability with advanced erasure coding, along with proactive data integrity checks and self-healing. Deploy across multiple regions to ensure your data remains protected and accessible even in the event of a full data center outage.

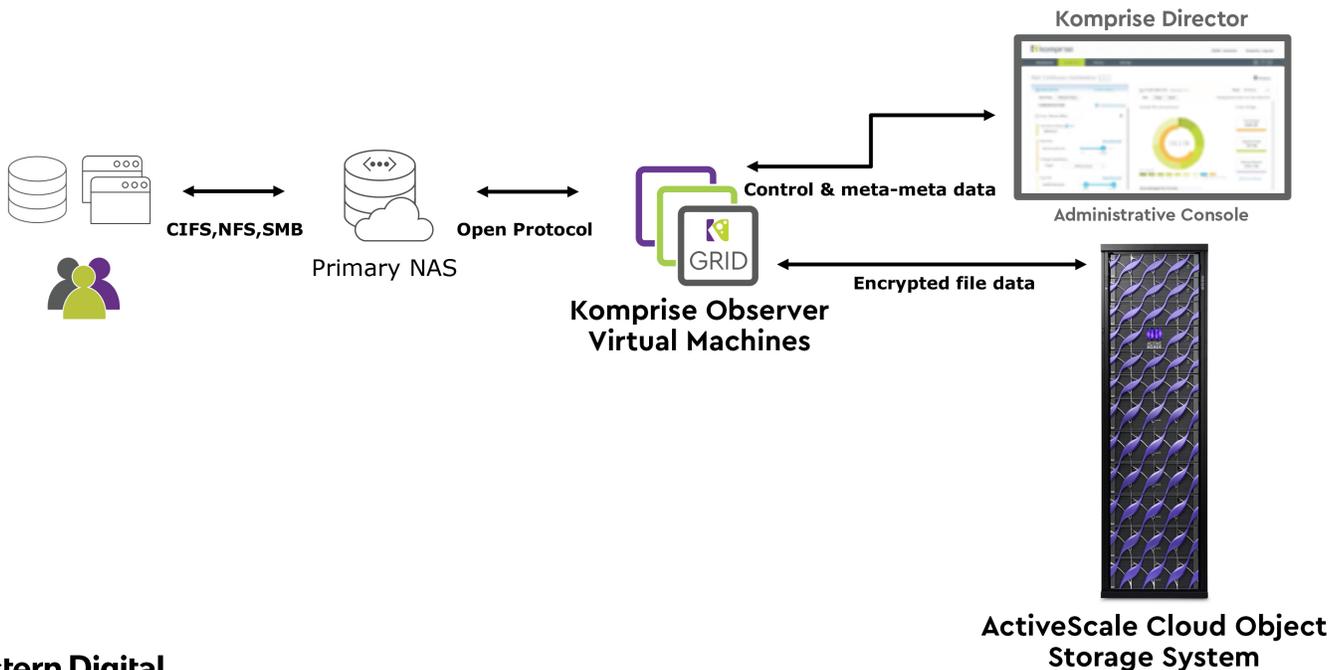
## "Get Off Your NAS" and Cut Storage Costs by Up to 70%<sup>1</sup>

With generated data doubling every two years, the costs of storing inactive data will only grow. But you don't have to choose between high NAS costs or data management solutions that disrupt your applications and users. With adaptive, analytics-driven intelligence from Komprise, you can automatically move cold data to more efficient ActiveScale object storage. And you can redirect those IT resources to initiatives that drive more value for your business.

To learn more about ActiveScale, visit [www.wdc.com/dc-systems](http://www.wdc.com/dc-systems)  
To learn more about Komprise, visit [www.komprise.com](http://www.komprise.com)

<sup>1</sup> Savings calculated using customer reported averages for current storage costs.

### Komprise + ActiveScale Modern Scalable Architecture



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